Printing System (P)

Operation Guide

☞ **Introduction**

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Introduction

About this Operation Guide

This Operation Guide is included with your Printing System (P) and should be read in combination with the Operation Guide <Set-Up Edition> for that product.

This Operation Guide contains information on making settings in your printer, as well as on installing and setting the printing properties for the corresponding Printer Drivers.

The explanations in this Operation Guide were written with the assumption that the user has a basic understanding of how to work in Microsoft Windows. For further information on using Windows, refer to your Microsoft Windows manual.

NOTE:
This Operation Guide contains information that corresponds to using both the inch and metric versions of this printer. When the difference in a message is only one of upper- and lower-case spelling, we have listed the information as it specifically pertains to the inch version of this machine. When there is even a slight difference in the message, we have listed the information for the inch version followed, in brackets, by the corresponding information for the metric version.

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1. Features of the Printer

This printer comes equipped with the following features.

KIR (Kyocera Image Refinement)
A smoothing function exclusive to Kyocera. This function uses software to increase the resolution of the printer and ensure high-quality printing. The factory default setting for this function is "ON". (This function is available for black and white printing only.)

High-Speed Printing
The printing speed can reach up to 30 pages per minute (11" x 8 1/2" [A4]) for black and white printing and up to 8 pages per minute (11" x 8 1/2" [A4]) for full color printing. (These speeds are applicable when making multiple copies of the same document. Actual printing speed will differ depending upon the content of the print job.)

Media type selection
If different types of copying media (standard copy paper, OHP transparency film, label sheets, etc.) are set in the various locations for paper feed, the printer will automatically select the type of paper that was designated for that particular print job.

EcoPrint
This printer comes equipped with an EcoPrint function that enables the reduction of toner consumption. By using the EcoPrint function, the same quantity of toner will last longer. (This function is available for black and white printing only.)

Two-Way Parallel Interface
Data transfer from your computer to the printer is accomplished using an IEEE 1284 parallel interface.

Printer Control Commands
This printer has built-in Printer Control Commands (PRESCRIBE) with improved graphic functionality. A simple command will enable you to change the margin setting, the character- or line-spacing, to rotate or fill in outlined fonts and graphics, and much more.

e-MPS Functions
This printer comes equipped with e-MPS (enhanced-Multiple Printing System) functions. With these functions, document data can be stored on the Hard Disk (option) that is installed in the printer and printed out afterwards using the printer's operation panel. Available e-MPS functions include Quick Copy, Proof and Hold, Private Print, Stored Job Printing (Job Storage), Virtual Mailbox (VMB), Temporary/Permanent Code Job and Electronic Sorting.

Hard Disk
The optional Hard Disk can be installed in the printer. By installing the optional Hard Disk in your printer, you will be able to use the available e-MPS functions as well as increase the efficiency of your printer with electronic sorting.

Memory (Compact Flash) Card Slot
The optional Memory Card can be installed in the printer. By installing the optional Memory Card in your printer, you will be able to use the optional fonts, macro, and form functions, etc.

2. Printer Settings

2-1 Procedure for making settings

1 Press the Printer key. The machine will switch to the printer mode.

Inch specification

```
Ready                    🖵
 ⇨ GO
    CANCEL
    MENU  ▶
```

Metric specification

```
READY                    🖵
 ⇨ GO
    CANCEL
    MENU  ▶
```

2 Use the "▲" and "▼" cursor keys to select "MENU" and then press the Enter key.

Inch specification

```
Ready                    🖵
    GO
    CANCEL
 ⇨ MENU  ▶
```

Metric specification

```
READY                    🖵
    GO
    CANCEL
 ⇨ MENU  ▶
```

3 Select the desired setting.
(Refer to "2-2 Menu flow chart" on page 2-3 for a list of the various possible settings.)

Note

Settings are categorized into a hierarchy under the "MENU" command. Use the "▲" and "▼" cursor keys to select "MENU" and then press the Enter key to access the menu of available setting items. Once the desired setting is selected, press the Enter key once again.

Inch specification

```
Menu                     🖵
    Print Status Page    ▶
    e-MPS                ▶
 ⇨ Interface            ▶
```

Metric specification

```
MENU                     🖵
    PRINT STATUS PAGE    ▶
    E-MPS                ▶
 ⇨ INTERFACE            ▶
```

4 Change the desired setting.
(Refer to "2-3 List of settings" on page 2-7 for information regarding each item and its possible settings.)

Note

Settings are normally changed (turned ON and OFF, etc.) by using the "▲" and "▼" cursor keys to move the selection cursor (⇨) and select the desired setting, and then pressing the Enter key.
When it is necessary to type in a value or number directly (such as with a network address or the time, etc.), use the numeric keys to enter the desired information and the cursor left and right keys to change the location of the cursor. Once entry is complete, press the Enter key.

Inch specification

```
TCP/IP                   🖵
    Back
 ⇨ >On
    Off
```

Metric specification

```
TCP/IP                   🖵
    BACK
 ⇨ >ON
    OFF
```

5 Press the Copier key to switch back to the copier mode.

2. Printer Settings

■ **Operation keys**

<Inch version>

Message display   Numeric keys   Copier key

Stop/Clear key

Enter key
►(Cursor right) key
▲(Cursor) key
▼(Cursor) key
◄(Cursor left) key

Printer key

Ready

➡ GO ————————————————— "GO" command
CANCEL ————————————————— "CANCEL" command
MENU ► ————————————————— "MENU" command

<Metric version>

Message display   Numeric keys   Copier key

Stop/Clear key

Enter key
►(Cursor right) key
▲(Cursor) key
▼(Cursor) key
◄(Cursor left) key

Printer key

READY

➡ GO ————————————————— "GO" command
CANCEL ————————————————— "CANCEL" command
MENU ► ————————————————— "MENU" command

2. Printer Settings

2-2 Menu flow chart

2. Printer Settings

2. Printer Settings

2. Printer Settings

2. Printer Settings

2-3 List of settings

Item No.	Item	Display message	Available settings	Remarks
1	**Printer Status Page print out** Prints out a list of such items as printer default settings and memory volume, etc.	Print Status Page	No, Print	
2	**Quick Copy Job print out** Use this menu to print out Quick Copy jobs or Proof and Hold jobs.For more information, refer to "4-2 Quick Copy" on page 4-2.	Quick Copy	---	Displayed only when the optional Hard Disk is installed.
3	**Private Print / Stored Job print out** Use this menu to print out Private Print jobs or Stored Job jobs. For more information, refer to "4-4 Private Print / Stored Job Printing" on page 4-5.	Private/Stored	---	Displayed only when the optional Hard Disk is installed.
4	**Virtual Mailbox data print out** Prints out the document data that is stored in the Virtual Mailboxes. For more information, refer to "4-5 Virtual Mailbox (VMB)" on page 4-8.	Print Virtual MailBox Data (PRINT VMB DATA)	---	Displayed only when the optional Hard Disk is installed.
5	**Virtual Mailbox List print out** Prints out a list of the Virtual Mailboxes.	Virtual MailBox List (LIST OF VMB)	No, Print	Displayed only when the optional Hard Disk is installed.
6	**Code Job List print out** Prints out a list of the documents stored as permanent code jobs.	Job Code List (LIST OF CODE JOB)	No, Print	Displayed only when the optional Hard Disk is installed.
7	**Maximum number of jobs stored for Quick Copy** Sets the maximum number of documents that can be stored for Quick Copy.	Quick Copy	0 - 50	Displayed only when the optional Hard Disk is installed.
8	**Temporary code job partition** Sets the maximum size of the Hard Disk partition that can be used for temporary code jobs.	Temp Code JOB Size (TEMPORARY CODE JOB SIZE)	0 - 9999 MB	When the actual free space on the Hard Disk is smaller than the amount of free space specified, only the amount of free space actually on the Hard Disk can be used.
9	**Permanent code job partition** Sets the maximum size of the Hard Disk partition that can be used for permanent code jobs.	Perm Code JOB Size (PERMANENT CODE JOB SIZE)	0 - 9999 MB	When the actual free space on the Hard Disk is smaller than the amount of free space specified, only the amount of free space actually on the Hard Disk can be used.
10	**Virtual Mailbox partition** Sets the maximum size of the Hard Disk partition that can be used for virtual mailboxes.	VMB Size	0 - 9999 MB	When the actual free space on the Hard Disk is smaller than the amount of free space specified, only the amount of free space actually on the Hard Disk can be used.

2. Printer Settings

Item No.	Item	Display message	Available settings	Remarks
11	**Interface selection** Displays the interface that is currently selected. The arrow (>) will indicate the currently selected interface. The printer will automatically switch to the appropriate interface for printing.	Interface	Parallel, Serial, Option 1	"Option 1" is displayed only when the Network Card is installed.
12	**Parallel TX/RX mode** Sets the transmission and reception mode when the printer is connected to your computer with a parallel interface.	Parallel	Auto, Normal, High Speed, Nibble (high)	
13	**Baud rate** Sets the baud rate for the serial interface.	Baud Rate	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200	
14	**Data bits** Sets the data bits for the serial interface.	Data Bits	7, 8	
15	**Stop bit** Sets the stop bit for the serial interface.	Stop Bits	1, 2	
16	**Parity** Sets the parity for the serial interface.	Parity	None, Odd, Even, Ignore	
17	**Protocol** Sets the protocol for the serial interface.	Protocol	DTR(positive)&XON/XOFF, DTR(positive), DTR(negative), XON/XOFF, ETX/ACK	
18	**Barcode mode** Set to "ON" when the optional Barcode Reader is installed.	Barcode Mode	On, Off	Displayed only when the optional Barcode Reader is installed.

2. Printer Settings

Item No.	Item	Display message	Available settings	Remarks
19	**NetWare ON/OFF**	NetWare	On, Off	
20	**NetWare frame type** Sets the NetWare frame type.	NetWare Frame	Auto, 802.3, Ethernet II, 802.2, 802.3 SNAP	Displayed only when the NetWare setting is turned "On".
21	**TCP/IP ON/OFF**	TCP/IP	On, Off	
22	**DHCP ON/OFF**	DHCP	On, Off	
23	**IP address**	IP Address	Enter the address.	Refer to "2-4 Network (TCP/IP) settings" on page 2-19 for the procedure on setting the network addresses.
24	**Subnet Mask**	Subnet Mask	Enter the address.	
25	**Gateway address**	Gateway	Enter the address.	
26	**EtherTalk ON/OFF**	EtherTalk	On, Off	
27	**Network Card Status Page print out ON/ OFF** Sets whether a Status Page regarding conditions in the Network Card will be printed out as well when the standard Status Page for the printer (item No.: 1) or that for use by your service representative (item No.: 99) are printed out. A more detailed Status Page is printed out together with the "Service Rep Status Page print out" setting (item No.: 99).	Opt. StatusPage	On, Off	

2. Printer Settings

Item No.	Item	Display message	Available settings	Remarks
28	**Emulation protocol** Sets the emulation protocol that will be used.	Emulation	PCL 5c, KC-GL, KPDL, KPDL (AUTO)	Allows you to set a different emulation protocol for each interface. Select the desired interface under the "Interface selection" setting (Item No.: 11).
29	**Code set selection** When PCL-5c is selected as the emulation protocol, you can select the code set that you want to be used.	PCL 5c : Code Set	---	
30	**Pen (1 - 8) settings** When KC-GL is selected, you can set the parameters of pens (1) - (8). The thickness and the color of the pens are selectable.	KC-GL Pen Adjust	Pen (1) - (8)	
31	**Pen thickness** Sets the thickness of the pen that was selected under the "Pen (1 - 8)" setting (Item No.: 30).	Pen Width	1 - 99 dot (s)	
32	**Pen color** Sets the color of the pen that was selected under the "Pen (1 - 8)" setting (Item No.: 30).	Pen Color (PEN COLOUR)	Black, Red, Green, Yellow, Blue, Magenta, Cyan, White	
33	**Page set** Specifies the original size for the data. The printer will automatically enlarge/reduce the data based on the original size that is specified here and the copy paper size. If "SPSZ" is selected, the original size that was designated in the application will be used.	KC-GL Page set	A2, A1, A0, B3, B2, B1, B0, SPSZ	
34	**KPDL Error Report print out ON/OFF** Sets whether an Error Report will be automatically printed out whenever a KPDL error occurs.	Print KPDL Errs	On, Off	
35	**Auto emulation switching** Sets the back-up emulation that, depending upon the type of data received, may be switched to for printing out when "KPDL(AUTO)" is selected under the "Emulation protocol" setting (item No.: 28).	Alt. emulation	PCL 5c, KC-GL	

2. Printer Settings

Item No.	Item	Display message	Available settings	Remarks
36	**Font selection** Selects the font that will be used for printing. This setting is made by entering the ID of the desired font. To select an font that is already installed in the printer, enter "I###" (with the corresponding font ID entered in place of the ###). To verify font IDs, print out a Font List by carrying out the "Font List print out" setting (item No.: 39). It is possible to select a font other than those already installed, such as those in the optional Memory Card.	Font ID	---	To select an installed font, select the "Internal" menu. To select a font other than those already installed, select the "Option" menu.
37	**Courier font** Allows you to select between "Regular" and "Dark".	Courier	Regular Dark	Displayed only when the "Internal" menu is selected.
38	**Letter Gothic font** Allows you to select between "Regular" and "Dark".	Letter Gothic	Regular Dark	Displayed only when the "Internal" menu is selected.
39	**Font List print out** Prints out a list of KPDL fonts when the emulation protocol has been set to "KPDL" or "KPDL(AUTO)".	List of Fonts	No, Print	
40	**Number of copies**	Copies	001 - 999	
41	**Printing orientation**	Orientation	Portrait, Landscape	A different setting can be selected for each interface. Select the desired interface under the "Interface selection" setting (Item No.: 11).
42	**Page Protect** If "AUTO" is selected here, the machine will monitor the data and, if necessary, will automatically turn Page Protect ON. If a "Print overrun" error does happen to occur even then, the machine will automatically change the Page Protect setting to "ON".	Page Protect	Auto, On	
43	**Line Feed (LF) handling**	LF Action	LF only, CR and LF, Ignore LF	A different setting can be selected for each interface. Select the desired interface under the "Interface selection" setting (Item No.: 11).
44	**Carriage Return (CR) handling**	CR Action	CR only, CR and LF, Ignore CR	A different setting can be selected for each interface. Select the desired interface under the "Interface selection" setting (Item No.: 11).

2. Printer Settings

Item No.	Item	Display message	Available settings	Remarks
45	**Smoothing ON/OFF** Allows you to have the jaggies that appear around the edge of text or graphics to be evened out through a smoothing process.	KIR Mode	On, Off	For black and white print out only.
46	**EcoPrint ON/OFF** Allows printing in a toner-saving mode. This mode is especially suited for test pages, etc., where high printing quality is not required.	Ecoprint Mode	On, Off	For black and white print out only.
47	**Tone** Selects between "Normal" and "Fine".	Tone	Normal, Fine	
48	**Gloss mode** When "High" is selected, enables print out with a glossy finish.	Gloss Mode	Low, High	If "Low" is selected here, the print speed will be higher than when "High" is selected.
49	**Reading data** Reads the selected data on the Hard disk.	Read Data	Select the name of the partition which holds the data from among those displayed.	Displayed only when there is appropriate data on the Hard Disk.
50	**Reading program data** Reads the selected program data on the Hard disk.	Read Program	Select the name of the partition which holds the program from among those displayed.	Displayed only when there is appropriate program data on the Hard Disk.
51	**Writing data** If "OK" is selected here, the machine will enter a "waiting for data" state until data is sent from the host computer. To exit this state, select the "GO" command in the printer mode and then press the Enter key.	Write Data	OK	Only when the optional Hard Disk is installed.
52	**Deleting data** Deletes the selected data from the Hard disk.	Delete Data	Select the name of the partition which holds the data from among those displayed.	Displayed only when there is appropriate data on the Hard Disk.

2. Printer Settings

Item No.	Item	Display message	Available settings	Remarks
53	**Deleting font data** Deletes the selected font data from the Hard disk.	Delete Font	Select the name of the font from among those displayed.	Displayed only when there is appropriate font data on the Hard Disk.
54	**Deleting program data** Deletes the selected program data from the Hard disk.	Delete Program	Select the name of the partition which holds the program from among those displayed.	Displayed only when there is appropriate program data on the Hard Disk.
55	**Deleting macro data** Deletes the selected macro data from the Hard disk.	Delete Macro	Select the name of the partition which holds the macro from among those displayed.	Displayed only when there is appropriate macro data on the Hard Disk.
56	**Formatting Hard Disk** If "OK" is selected here, the machine will start formatting the Hard Disk.	Format	No, OK	Displayed only when formatting of the Hard Disk is required.
57	**Partition List print out**	List of Partitions	No, Print	Only when the optional Hard Disk is installed.
58	**RAM disk ON/OFF**	RAM DISK Mode	On, Off	
59	**RAM disk size** Sets the amount of memory that will be used as a RAM disk. The maximum size that can be selected is the total amount of memory installed minus the amount used by the system (48 MB).	RAM DISK Size	01 - 1024 (MBytes)	Displayed only when "On" is selected under the "RAM disk ON/OFF" setting (item No.: 58).
60	**Reading data** Reads the selected data on the RAM disk.	Read Data	Select the name of the partition which holds the data from among those displayed.	Displayed only when there is appropriate data in the RAM disk.
61	**Reading program data** Reads the selected program data on the RAM disk.	Read Program	Select the name of the partition which holds the program from among those displayed.	Displayed only when there is appropriate program data in the RAM disk.
62	**Writing data** If "OK" is selected here, the machine will enter a "waiting for data" state until data is sent from the host computer. To exit this state, select the "GO" command in the printer mode and then press the Enter key.	Write Data	OK	Displayed only when "On" is selected under the "RAM disk ON/OFF" setting (item No.: 58).

2. Printer Settings

Item No.	Item	Display message	Available settings	Remarks
63	**Deleting data** Deletes the selected data from the RAM disk.	Delete Data	Select the name of the partition which holds the data from among those displayed.	Displayed only when there is appropriate data in the RAM disk.
64	**Deleting font data** Deletes the selected font data from the RAM disk.	Delete Font	Select the name of the font from among those displayed.	Displayed only when there is appropriate font data in the RAM disk.
65	**Deleting program data** Deletes the selected program data from the RAM disk.	Delete Program	Select the name of the partition which holds the program from among those displayed.	Displayed only when there is appropriate program data in the RAM disk.
66	**Deleting macro data** Deletes the selected macro data from the RAM disk.	Delete Macro	Select the name of the partition which holds the macro from among those displayed.	Displayed only when there is appropriate macro data in the RAM disk.
67	**Partition List print out**	List of Partitions	No, Print	Displayed only when "On" is selected under the "RAM disk ON/OFF" setting (item No.: 58).
68	**Reading fonts** If "OK" is selected here, the font data in the Memory Card will be read all at once.	Read Fonts	OK	Displayed only when there is appropriate font data in the Memory Card.
69	**Reading macro data** If "OK" is selected here, the macro data in the Memory Card will be read all at once.	Read Macro	OK	Displayed only when there is appropriate macro data in the Memory Card.
70	**Reading data** Reads the selected data in the Memory Card.	Read Data	Select the name of the partition which holds the data from among those displayed.	Displayed only when there is appropriate data in the Memory Card.
71	**Reading program data** Reads the selected program data in the Memory Card.	Read Program	Select the name of the partition which holds the program from among those displayed.	Displayed only when there is appropriate program data in the Memory Card.
72	**Writing data** If "OK" is selected here, the machine will enter a "waiting for data" state until data is sent from the host computer. To exit this state, select the "GO" command in the printer mode and then press the Enter key.	Write Data	OK	Displayed only when the Memory Card is installed.
73	**Deleting data** Deletes the selected data from the Memory Card.	Delete Data	Select the name of the partition which holds the data from among those displayed.	Displayed only when there is appropriate data in the Memory Card.

2. Printer Settings

Item No.	Item	Display message	Available settings	Remarks
74	**Deleting font data** Deletes the selected font data from the Memory Card.	Delete Font	Select the name of the font from among those displayed.	Displayed only when there is appropriate font data in the Memory Card.
75	**Deleting program data** Deletes the selected program data from the Memory Card.	Delete Program	Select the name of the partition which holds the program from among those displayed.	Displayed only when there is appropriate program data in the Memory Card.
76	**Deleting macro data** Deletes the selected macro data from the Memory Card.	Delete Macro	Select the name of the partition which holds the macro from among those displayed.	Displayed only when there is appropriate macro data in the Memory Card.
77	**Formatting the Memory Card** If "OK" is selected here, formatting of the Memory Card will begin.	Format	No, OK	Displayed only when the Memory Card is installed.
78	**Partition List print out**	List of Partitions	No, Print	Displayed only when the Memory Card is installed.
79	**Bypass mode** If "First" is selected here and there is paper set in the Multi-Bypass, paper feed will be accomplished from the Multi-Bypass.	Bypass Mode	Cassette, First	
80	**Bypass paper type** Selects the type of the paper set in the Multi-Bypass.	Bypass Media Type	Plain, Transparency, Pre-printed, Labels, Bond, Recycled, Vellum, Rough, Letterhead, Color(COLOUR), Pre-punched, Envelope, Cardstock, Coated, Custom 1 - 8	
81	**Paper source selection**	Sel Paper Feed Drawer (FEED SELECT)	Bypass, Cassette 1, Cassette 2, Cassette 3, Cassette 4	Displayed only when the optional Cassette 3 and Cassette 4 are installed.
82	**Duplex mode**	Duplex Mode	None, Short edge bind, Long edge bind	Displayed only in duplex copiers.
83	**Eject location selection**	Stack Select	Inner Tray, Side Output Tray, Finisher Main Tray, Finisher Sub Tray	"Finisher main tray, Finisher sub tray" is displayed only when the optional Finisher is installed. "Side output tray" will not be displayed if the optional Finisher is installed.
84	**A4 & Letter usage ON/OFF** Allows both A4 and letter size paper to be utilized as though they are the same size.	Override A4/LT	On, Off	

2. Printer Settings

Item No.	Item	Display message	Available settings	Remarks
85	**Custom type (1 - 8)** Sets the paper thickness, fuser temperature control and duplex print out for the custom types 1 - 8 selected under the "Bypass paper type" setting (Item No.: 80).	Select Paper Type (TYPE ADJUST)	Custom 1- 8	
86	**Paper weight** Sets the paper weight (thickness) for custom types 1 - 8.	Paper Weight	Normal, Heavy (Thick), Extra heavy	
87	**Fuser temperature control** Sets the fuser temperature control for custom types 1 - 8.	Fuser Mode	Low, Middle	
88	**Duplex printing ON/OFF** Sets whether to use duplex print out or not for custom types 1 - 8.	Duplex Path	Enable, Disable	
89	**Reset custom paper type settings** Resets the items set under the "Custom types (1 - 8)" setting (Item No.: 85) to their factory default settings.	Default Paper Type (REST TYPE ADJUST)	OK	
90	**Color mode selection (color/black and white print out)** Allows you to select whether printing will be carried out in black and white or in color.	Color Mode (COLOUR MODE)	Monochrome(B/W), Color(COLOUR)	
91	**RGB simulation** If "sRGB" is selected here, printing will be accomplished in colors relatively close to the colors that are shown on the computer monitor.	RGB Simulation	None, sRGB	
92	**Ink (CMYK) simulation** This setting is only valid when "KPDL" or "KPDL (Auto)" is selected as the emulation protocol.	Ink Simulation	None, SWOP, Euro scale	

2. Printer Settings

Item No.	Item	Display message	Available settings	Remarks
93	**Form feed time-out** If "000" seconds is selected here, successive pages will not be printed until they are manually force-printed (by selecting the "GO" command in the printer mode and then pressing the Enter key).	Form Feed Time out	000 - 495 (sec.)	
94	**Receive dump mode** The data that the printer receives for debugging programs and files is turned into hexadecimal code and printed out. If "OK" is selected here, this receive dump mode will be activated. The receive dump mode will be canceled under the following circumstances: • Form feed is initiated (by selecting the "GO" command in the printer mode and then pressing the Enter key). • A force-print time-out occurs.	Print HEX-DUMP	OK	
95	**Printer reset** Resets the Printer Board only even without turning the power to the machine OFF.	Printer Reset	OK	
96	**Resource protect mode** Protects the resource data of fonts and macros downloaded through PCL 5c and, even if the emulation protocol is switched, the PCL resource will be saved in the printer's memory. If "Permanent" is selected here, temporary resources will not be saved. If, however, "Per/Temp" is selected, temporary resources will also be saved.	Resource Prot.	Off, Permanent, Perm/Temp	
97	**Auto Continue ON/OFF** If one of the following error messages appears and "On" has been selected here, the error state will be released and the printing operation will be restarted automatically after a specified amount of time. "Memory overflow" "Print overrun" "KPDL error" "File not found" "Option ROM error" "RAM Disk error"	Auto Continue	On, Off	
98	**Recovery time for Auto Continue** Sets the amount of time before Auto Continue engages when "On" is selected under the "Auto Continue ON/OFF" setting (item No.: 97). If "000" seconds is selected here, Auto Continue will engage immediately after the error.	Change #	000 - 495 (sec.)	Displayed only when "On" is selected under the "Auto Continue ON/OFF" setting (item No.: 97).

2. Printer Settings

Item No.	Item	Display message	Available settings	Remarks
99	**Service Rep Status Page print out** Prints out a Status Page for use by your service representative.	Print Status page	No, Print	
100	**Color test page 1 print out** A test print for black, yellow, magenta and cyan is carried out, in that order, starting from the front edge of a single sheet of paper.	Print Test Page 1	No, Print	
101	**Color test page 2 print out** A test print for black, yellow, magenta and cyan is carried out respectively on separate sheets of paper.	Print Test Page 2	No, Print	

2. Printer Settings

2-4 Network (TCP/IP) settings

When this machine is to be used as a network printer, it is necessary to set the corresponding IP address for the printer.

Notes
- The IP address that should be registered here will differ depending upon your network environment. Check with your network administrator BEFORE performing this setting.
- If you are using a DHCP server to automatically configure the IP address, this setting will not be necessary because DHCP server configuration is already enabled as the factory default setting.

1 Press the Printer key. The machine will switch to the printer mode.

Inch specification

```
Ready                      🖶
 ⇨  GO
     CANCEL
     MENU  ▶
```

Metric specification

```
READY                      🖶
 ⇨  GO
     CANCEL
     MENU  ▶
```

2 Use the "▲" and "▼" cursor keys to select "MENU" and then press the Enter key.

Inch specification

```
Ready                      🖶
     GO
     CANCEL
 ⇨  MENU  ▶
```

Metric specification

```
READY                      🖶
     GO
     CANCEL
 ⇨  MENU  ▶
```

3 Use the "▲" and "▼" cursor keys to select "Interface" and then press the Enter key.

Inch specification

```
Menu                       🖶
 ▲   Print Status Page    ▶
     e-MPS                ▶
 ▼⇨  Interface            ▶
```

Metric specification

```
MENU                       🖶
 ▲   PRINT STATUS PAGE    ▶
     E-MPS                ▶
 ▼⇨  INTERFACE            ▶
```

4 Use the "▲" and "▼" cursor keys to select "Option 1" and then press the Enter key.

Inch specification

```
Interface                  🖶
     Parallel             ▶
     Serial               ▶
 ⇨ >Option 1              ▶
```

Metric specification

```
INTERFACE                  🖶
     PARALLEL             ▶
     SERIAL               ▶
 ⇨ >OPTION 1              ▶
```

2. Printer Settings

5 Use the "▲" and "▼" cursor keys to select "TCP/IP" and then press the Enter key.

Inch specification

```
OPTION                    🖳
    Back
    NetWare          ▶
⬎▷ TCP/IP             ▶
```

Metric specification

```
OPTION                    🖳
    BACK
    NETWARE          ▶
⬎▷ TCP/IP             ▶
```

6 Use the "▲" and "▼" cursor keys to select "On" and then press the Enter key.

Inch specification

```
TCP/IP                    🖳
    Back
⇨ >On
    Off
```

Metric specification

```
TCP/IP                    🖳
    BACK
⇨ >ON
    OFF
```

7 Use the "▲" and "▼" cursor keys to select "Change #" and then press the Enter key.

Inch specification

```
TCP/IP                    🖳
   >On
    Off
⇨ Change # ▶
```

Metric specification

```
TCP/IP                    🖳
   >ON
    OFF
⇨ CHANGE # ▶
```

8 Use the "▲" and "▼" cursor keys to select "DHCP" and then press the Enter key.

Inch specification

```
TCP/IP Setting            🖳
    Back
⇨ DHCP            ▶
▽  IP Address      ▶
```

Metric specification

```
TCP/IP SETTING            🖳
    BACK
⇨ DHCP            ▶
▽  IP ADDRESS      ▶
```

9
Use the "▲" and "▼" cursor keys to select "Off" and then press the Enter key.

Inch specification

```
DHCP                    🖫
█  Back
   On
⇨  Off
```

Metric specification

```
DHCP                    🖫
█  BACK
   ON
⇨  OFF
```

10
Use the "▲" and "▼" cursor keys to select "IP Address" and then press the Enter key.

Inch specification

```
TCP/IP Setting          🖫
█  Back
   DHCP          ▶
▼⇨ IP Address    ▶
```

Metric specification

```
TCP/IP SETTING          🖫
█  BACK
   DHCP          ▶
▼⇨ IP ADDRESS    ▶
```

11
The numeric keys will be used to enter the IP address:
First, enter the first 3 digits of the IP address.
* The numbers you enter will be input into the currently highlighted area of the display.

Inch specification

```
IP Address              🖫

   █0 .    0 .    0 .    0
```

Metric specification

```
IP ADDRESS              🖫

   █0 .    0 .    0 .    0
```

12
Press the ▶ cursor key and then enter the next 3 digits of the IP address into the next highlighted block.

Inch specification

```
IP Address              🖫

   192 .  █0 .    0 .    0
```

Metric specification

```
IP ADDRESS              🖫

   192 .  █0 .    0 .    0
```

2. Printer Settings

13 Continue the same procedure for the other 2 blocks and, once the IP address has been entered, press the Enter key.

Inch specification

```
IP Address                        🖫
        192 .  162 .   0 .   2
```

Metric specification

```
IP ADDRESS                        🖫
        192 .  162 .   0 .   2
```

14 Use the "▲" and "▼" cursor keys to select "Subnet Mask" and then press the Enter key.

Inch specification

```
TCP/IP Setting                    🖫
▲   DHCP              ▶
    IP Address        ▶
▼➡  Subnet Mask       ▶
```

Metric specification

```
TCP/IP SETTING                    🖫
▲   DHCP              ▶
    IP ADDRESS        ▶
▼➡  SUBNET MASK       ▶
```

15 Repeat steps 11 - 13 in order to enter the Subnet Mask using the same procedure that you did for entering the IP address.

Inch specification

```
Subnet Mask                       🖫
        0 .   0 .   0 .   0
```

Metric specification

```
SUBNET MASK                       🖫
        0 .   0 .   0 .   0
```

16 Use the "▲" and "▼" cursor keys to select "Gateway" and then press the Enter key.

Inch specification

```
TCP/IP Setting                    🖫
▲   IP Address        ▶
    Subnet Mask       ▶
➡   Gateway           ▶
```

Metric specification

```
TCP/IP SETTING                    🖫
▲   IP ADDRESS        ▶
    SUBNET MASK       ▶
➡   GATEWAY           ▶
```

17 Repeat steps 11 - 13 in order to enter the Gateway address using the same procedure that you did for entering the IP address.

Inch specification

```
┌─────────────────────────────────┐
│ Gateway                      🖫 │
│                                 │
│      █0 .   0 .   0 .   0      │
│                                 │
└─────────────────────────────────┘
```

Metric specification

```
┌─────────────────────────────────┐
│ GATEWAY                      🖫 │
│                                 │
│      █0 .   0 .   0 .   0      │
│                                 │
└─────────────────────────────────┘
```

18 Once you are finished making all of the network settings, press the Copier key. The machine will switch back to the copier mode.

3. Paper size setting for manual feed (for printer use)

When printing onto envelopes, postcards and the like, you will need to set them manually. Perform the following procedure in order to make the appropriate setting for manual paper feed.

NOTE

The following paper sizes are selectable for manual feed in the printer:
Monarch, Comm.#10, Envelope DL, Envelope C5, Executive, Comm.#9, Comm.#6, ISO B5, Envelope C4, Oufuku Hagaki, Youkei 2 and Youkei 4

1 Press the Paper Select key to select the Multi-Bypass. The paper size select screen will appear.

Inch specification
```
Select paper size for bypass.
⇨ Custom sizes         ▶
  11x17
▽ 8 1/2 x14
```

Metric specification
```
SELECT PAPER SIZE OF BYPASS
⇨ CUSTOM SIZES         ▶
  A3 ▱
▽ A4 ▱
```

2 Use the "▼" and "▲" cursor keys to select "Prt. exclusive paper" and then press the Enter key.

Inch specification
```
Select paper size for bypass.
▲ 5 1/2 x8 1/2
  12x18
⇨ Prt. exclusive paper    ▶
```

Metric specification
```
SELECT PAPER SIZE OF BYPASS
▲ Folio
  A3 WIDE
⇨ PRT. EXCLUSIVE PAPER.    ▶
```

3 Use the "▼" and "▲" cursor keys to select the desired paper size and then press the Enter key.

Inch specification
```
Set printer exclusive paper
⇨ MONARCH
  COM10
▽ DL
```

Metric specification
```
SET PRINTER EXCLUSIVE PAPER
⇨ MONARCH
  COM10
▽ DL
```

4. e-MPS Functions

4-1 About the e-MPS Functions

If the optional Hard Disk is installed, you will be able to use the e-MPS functions. These functions include the following.

Quick Copy

After printing is completed, if you need to print out another copy of the same job, additional print out can be instructed from the printer's operation panel without the need to start the printing procedure from your computer again. (Refer to page 4-2.)

Proof and Hold

Even if you need to print out more than a single page or more than a single copy, only one page will be printed out at first. This function enables you to save paper by allowing you to check the printout and decide whether to continue or to cancel the printing job. (Refer to page 4-4.)

Private Print

Documents that you don't want to be seen by third parties can set to be printed out only after entering an appropriate User ID. (Refer to page 4-5.)

Stored Job Printing (Job Storage)

By storing often used forms such as fax transmission headers, inspection charts, order forms, etc., in the printer, you can print out the desired number of copies of the required document when necessary. (Refer to page 4-5.)

Virtual Mailbox (VMB)

The Virtual Mailbox function allows you to store data in Virtual Mailboxes created on the printer's Hard Disk. The stored data can be then printed out using the printer's operation panel. The same document data can be sent simultaneously to all Virtual Mailboxes or only to selected Mailboxes. As the tray that contains the document data that you want to print out can be selected using the printer's operation panel, it is possible to print out only the document data that you need. (Refer to page 4-8.)

Temporary/Permanent Code Job

Document data stored on the printer's Hard Disk can be printed out using the optional Barcode Reader. When printing, select the code job type in the printer driver. There are 2 types of code jobs:

Temporary Code Job (If the area allocated for saving data becomes full, the data for the oldest print job will be deleted in order to make sufficient space.)

Permanent Code Job (The document data will be retained on the hard disk even if the area allocated for saving data becomes full.)

Often used forms such as fax transmission headers, inspection charts, order forms, etc., can be stored on the printer's Hard Disk for printed out as required.

* For more information on how to select the printer driver settings, refer to "10-7-1 Printing with the e-MPS (Job Storage) function" on page 10-12.

* Use the operation panel to print out a (Permanent) Code Job List, and print out the desired job by reading the corresponding bar code on the list with the optional Barcode Reader.

Electronic sorting

With the electronic sorting function, you can print out several sets of copies by sending only the data required for one set of copies.

4. e-MPS Functions

4-2 Quick Copy

This mode allows you to make additional printouts of a document that was already printed out once.

If printing is carried out while Quick Copy is selected in the printer driver, the data for the document being printed out will also be stored onto the printer's Hard Disk. The desired number of copies can be printed out again using the printer's operation panel whenever necessary.

The factory default setting for the number of documents that can be stored in the Hard Disk is "32" (this can be changed to a maximum of 50 documents in the e-MPS settings). If the number of stored documents exceeds the set maximum number of documents, the new data will successively be written over the oldest data.

All the received data will be erased whenever the main switch of the printer is turned OFF (O).

Perform the following procedure when you want to print out additional documents using the printer's operation panel.

* For more information on how to select the printer driver settings, refer to "10-7-1 Printing with the e-MPS (Job Storage) function" on page 10-12.

4-2-1 Procedure for printing out additional copies with Quick Copy

1 Press the Printer key. The machine will switch to the printer mode.

Inch specification

```
Ready                          🖳
 ▷ GO
    CANCEL
    MENU  ▶
```

Metric specification

```
READY                          🖳
 ▷ GO
    CANCEL
    MENU  ▶
```

2 Use the "▲" and "▼" cursor keys to select "MENU" and then press the Enter key.

Inch specification

```
Ready                          🖳
    GO
    CANCEL
 ▷ MENU  ▶
```

Metric specification

```
READY                          🖳
    GO
    CANCEL
 ▷ MENU  ▶
```

3 Use the "▲" and "▼" cursor keys to select "e-MPS" and then press the Enter key.

Inch specification

```
Menu                           🖳
    Back
    Print Status Page    ▶
 ▽▷ e-MPS                ▶
```

Metric specification

```
MENU                           🖳
    BACK
    PRINT STATUS PAGE    ▶
 ▽▷ E-MPS                ▶
```
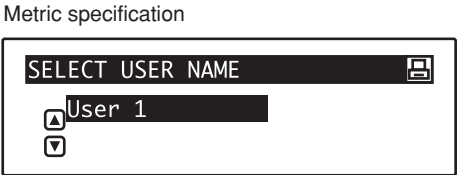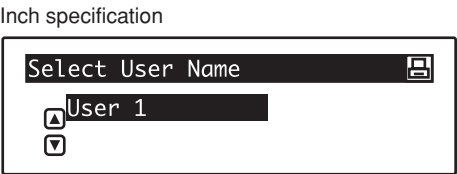
4-2

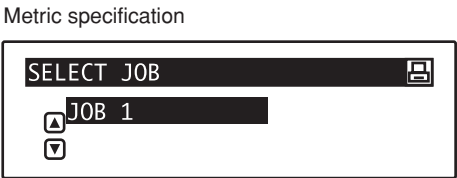**4** Use the "▲" and "▼" cursor keys to select "Quick Copy" and then press the Enter key.

Inch specification

```
e-MPS                        🖥
    Back
 ⇨  Quick Copy           ▶
 ▽  Private/Stored        ▶
```

Metric specification

```
E-MPS                        🖥
    BACK
 ⇨  QUICK COPY           ▶
 ▽  PRIVATE/STORED       ▶
```
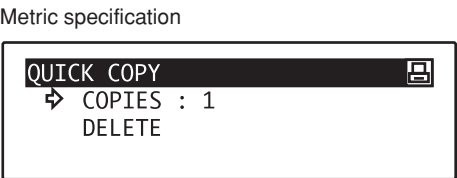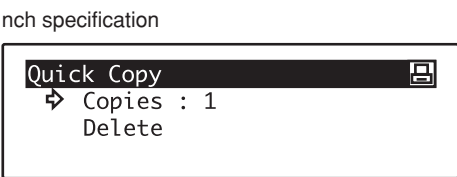
5 Use the "▲" and "▼" cursor keys to select your user name and then press the Enter key.
The user names that are displayed here are those user names that were registered under "User Name" in the [User Settings] dialog box of the printer driver. For more information, refer "10-8-1 User Settings" on page 10-19.

Inch specification

```
Select User Name             🖥
 ▲ User 1
 ▽
```

Metric specification

```
SELECT USER NAME             🖥
 ▲ User 1
 ▽
```

6 Use the "▲" and "▼" cursor keys to select the desired job name and then press the Enter key.
The job names that are displayed here are the job names that were registered under "Job Name" in the [Job Settings] dialog box of the printer driver. For more information, refer to "10-7-1 Printing with the e-MPS (Job Storage) function" on page 10-12.

Inch specification

```
Select JOB                   🖥
 ▲ JOB 1
 ▽
```

Metric specification

```
SELECT JOB                   🖥
 ▲ JOB 1
 ▽
```

7 Use the numeric keys to enter the desired number of copies and then press the Enter key. Printing will start.

Inch specification

```
Quick Copy                   🖥
 ⇨  Copies : 1
     Delete
```

Metric specification

```
QUICK COPY                   🖥
 ⇨  COPIES : 1
     DELETE
```

4. e-MPS Functions

4-2-2 Deleting documents stored for Quick Copy

1 Follow steps 1 through 6 of the previous procedure and select the document data that you want to delete.

Inch specification

```
Select JOB                    🖶
    ▲ JOB 1
    ▼
```

Metric specification

```
SELECT JOB                    🖶
    ▲ JOB 1
    ▼
```

2 Use the "▲" and "▼" cursor keys to select "Delete" and then press the Enter key. The selected document data will be deleted.

Inch specification

```
Quick Copy                    🖶
      Copies : 1
   ⇨ Delete
```

Metric specification

```
QUICK COPY                    🖶
      COPIES : 1
   ⇨ DELETE
```

4-3 Proof and Hold

When printing out multiple pages or several copies, this mode allows you to print out only one page first, check the result and then print out the remaining pages if everything is okay. As the result of the print out can be checked before printing out all the remaining pages or copies, this function helps you to save on copy paper.

Select Proof and Hold in the printer driver and then set the desired number of copies. The printer will print only one copy of one page and store the document data on the Hard Disk. Use the printer's operation panel to print out the remaining number of copies. At this point, it is possible to change the number of copies or to cancel the whole printing job, as desired.

* For more information on how to select the printer driver settings, refer to "10-7-1 Printing with the e-MPS (Job Storage) function" on page 10-12.

4-3-1 Procedure for printing out the remaining number of copies that was on hold

The procedure is the same as that for printing out with the Quick Copy function. Follow the procedure described on the previous page.

4. e-MPS Functions

4-4 Private Print / Stored Job Printing

The Private Print function aims at protecting the confidentiality of the documents to be printed. Print out is accomplished by entering into the operation panel a 4-digit access code that was previously registered in the printer driver. After print out, the document data will be erased from the printer's memory. If the job is put on hold, the printed data will be stored and will remain on the Hard Disk. In order to print out whenever necessary, choose to keep the job on hold in the printer driver. Even if the main switch of the printer is turned OFF (O), the data that was stored and put on hold will not be erased.

Perform the following procedure in order to print out using the printer's operation panel.

* For more information on how to select the printer driver settings, refer to "10-7-1 Printing with the e-MPS (Job Storage) function" on page 10-12.

4-4-1 Procedure for printing out in the Private Print / Stored Job Printing mode

1 Press the Printer key. The machine will switch to the printer mode.

Inch specification

```
Ready                    🖶
  ⇨ GO
     CANCEL
     MENU ▶
```

Metric specification

```
READY                    🖶
  ⇨ GO
     CANCEL
     MENU ▶
```

2 Use the "▲" and "▼" cursor keys to select "MENU" and then press the Enter key.

Inch specification

```
Ready                    🖶
     GO
     CANCEL
  ⇨ MENU ▶
```

Metric specification

```
READY                    🖶
     GO
     CANCEL
  ⇨ MENU ▶
```

3 Use the "▲" and "▼" cursor keys to select "e-MPS" and then press the Enter key.

Inch specification

```
Menu                     🖶
     Back
     Print Status Page  ▶
  ▽⇨ e-MPS              ▶
```

Metric specification

```
MENU                     🖶
     BACK
     PRINT STATUS PAGE  ▶
  ▽⇨ E-MPS              ▶
```
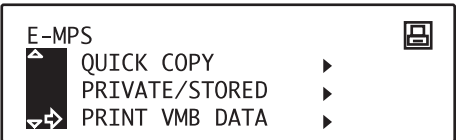
4 Use the "▲" and "▼" cursor keys to select "Private/Stored" and then press the Enter key.

Inch specification

```
e-MPS                        🖨
     Back
     Quick Copy          ▶
 ▼➡ Private/Stored        ▶
```

Metric specification

```
E-MPS                        🖨
     BACK
     QUICK COPY          ▶
 ▼➡ PRIVATE/STORED        ▶
```

5 Use the "▲" and "▼" cursor keys to select your user name and then press the Enter key.
The user names that are displayed here are those user names that were registered under "User Name" in the [User Settings] dialog box of the printer driver. For more information, refer "10-8-1 User Settings" on page 10-19.

Inch specification

```
Select User Name             🖨
    ▲ User 1
    ▼
```

Metric specification

```
SELECT USER NAME             🖨
    ▲ User 1
    ▼
```

6 Use the "▲" and "▼" cursor keys to select the desired job name and then press the Enter key.
The job names that are displayed here are the job names that were registered under "Job Name" in the [Job Settings] dialog box of the printer driver. For more information, refer to "10-7-1 Printing with the e-MPS (Job Storage) function" on page 10-12.

Inch specification

```
Select JOB                   🖨
    ▲ JOB 1
    ▼
```

Metric specification

```
SELECT JOB                   🖨
    ▲ JOB 1
    ▼
```

7 Use the numeric keys to enter your User ID (4 digits) and then press the Enter key.
The User ID that must be entered here is the number that was registered under "Access Code" in the [User Settings] dialog box of the printer driver. For more information, refer to "10-7-1 Printing with the e-MPS (Job Storage) function" on page 10-12.

Inch specification

```
JOB 1                        🖨
    Enter User ID
           ☐ ☐ ☐ ☐
```

Metric specification

```
JOB 1                        🖨
    ENTER USER ID
           ☐ ☐ ☐ ☐
```

8 Use the numeric keys to enter the desired number of copies and then press the Enter key. Printing will start.

Inch specification

```
Private/Stored            🖬
  ⇨ Copies : 1
    Delete
```

Metric specification

```
PRIVATE/STORED            🖬
  ⇨ COPIES : 1
    DELETE
```

4-4-2 Deleting stored documents

1 Follow steps 1 – 6 of the previous procedure and select the document data that you want to delete.

Inch specification

```
Select JOB                🖬
  ▲ JOB 1
  ▼
```

Metric specification

```
SELECT JOB                🖬
  ▲ JOB 1
  ▼
```

2 Use the numeric keys to enter your User ID (4 digits) and then press the Enter key. The User ID to be entered here is the number that was registered under [Access Code] in the [User Settings] dialog box of the printer driver.

Inch specification

```
JOB 1                     🖬
    Enter User ID
      □ □ □ □
```

Metric specification

```
JOB 1                     🖬
    ENTER USER ID
      □ □ □ □
```

3 Use the "▲" and "▼" cursor keys to select "Delete" and then press the Enter key. The selected document data is deleted.

Inch specification

```
Private/Stored            🖬
    Copies : 1
  ⇨ Delete
```

Metric specification

```
PRIVATE/STORED            🖬
    COPIES : 1
  ⇨ DELETE
```

4. e-MPS Functions

4-5 Virtual Mailbox (VMB)

The Virtual Mailboxes allow you to make use of mailbox functions using the printer aloe. After a Virtual Mailbox has been specified as the output location in the printer driver, the transmitted data will be stored on the printer's Hard Disk.

A maximum of 255 Virtual Mailboxes can be created and there is no limit to the number of pages that can be stored in each mailbox. As only the total capacity of all mailboxes is limited, data can stored as long as the capacity of the Hard Disk allows it. Document data stored in a mailbox will be deleted after print out. If printing is interrupted in progress, or otherwise not completed, the corresponding document data will not be deleted until all of the document data stored in the mailbox is printed out.

Perform the following procedure in order to print out using the printer's operation panel.

* For more information on how to select the printer driver settings, refer to "10-7-1 Printing with the e-MPS (Job Storage) function" on page 10-12.

4-5-1 Procedure for printing out data stored in a Virtual Mailbox

| **1** | Press the Printer key. The machine will switch to the printer mode. |

Inch specification

```
Ready                      🖳
 ⇨ GO
    CANCEL
    MENU  ▶
```

Metric specification

```
READY                      🖳
 ⇨ GO
    CANCEL
    MENU  ▶
```

| **2** | Use the "▲" and "▼" cursor keys to select "MENU" and then press the Enter key. |

Inch specification

```
Ready                      🖳
    GO
    CANCEL
 ⇨ MENU  ▶
```

Metric specification

```
READY                      🖳
    GO
    CANCEL
 ⇨ MENU  ▶
```

| **3** | Use the "▲" and "▼" cursor keys to select "e-MPS" and then press the Enter key. |

Inch specification

```
Menu                       🖳
    Back
    Print Status Page    ▶
 ▽⇨ e-MPS                 ▶
```

Metric specification

```
MENU                       🖳
    BACK
    PRINT STATUS PAGE    ▶
 ▽⇨ E-MPS                 ▶
```

4 Use the "▲" and "▼" cursor keys to select "Print Virtual MailBox Data (PRINT VMB DATA)" and then press the Enter key.

Inch specification

```
e-MPS                        🖶
  ▲  Quick Copy            ▶
     Private/Stored        ▶
  ▼➡ Print Virtual MailBox Data ▶
```

Metric specification

```
E-MPS                        🖶
  ▲  QUICK COPY            ▶
     PRIVATE/STORED        ▶
  ▼➡ PRINT VMB DATA        ▶
```

5 Use the "▲" and "▼" cursor keys to select the Virtual Mailbox whose contents you want to print out and then press the Enter key. The document data stored in that mailbox will be printed out. Once print out is completed, all corresponding document data in that mailbox will be deleted.

Inch specification

```
Print Virtual MailBox Data  🖶
  ▲ 001:BOX 1
  ▼
```

Metric specification

```
PRINT VMB DATA              🖶
  ▲ 001:BOX 1
  ▼
```
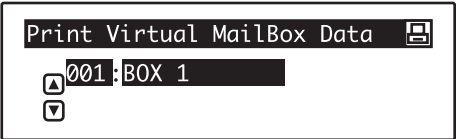
5. Hard Disk/ RAM Disk

5-1 About the Hard Disk

The optional Hard Disk can be installed in your printer. By installing the Hard Disk in your printer, you will be able to use the e-MPS functions (Quick Copy, Proof and Hold, Private Print, Stored Job Printing (Job Storage), Virtual Mailbox (VMB), Temporary/Permanent Code and Electronic Sorting). The efficiency of your printer will also be improved with electronic sorting.

NOTE

If the optional Hard Disk is installed in your printer, it will not be possible to create a RAM disk.

5-2 RAM disk

In this machine, it is possible to create a RAM disk, or a portion of memory that is used as a virtual disk. By creating a RAM disk of a desired size from among the total memory available in the printer, it is possible to perform electronic sorting (which shortens the overall time required for printing) as well as to save data to and retrieve data from that disk.

IMPORTANT!

Resetting the printer or turning the main switch OFF (O) will erase all data written to the RAM disk.
The RAM disk is created from that portion of the printer's memory that is normally available to the user. Thus, if the size of the RAM disk created is too large, printing speed may actually be decreased or the machine may run out of available memory.

The factory default setting for the RAM disk is "OFF". In order to create a RAM disk, it is necessary to change the setting on the printer's operation panel. Refer to "2. Printer settings" on page 2-1 for information on the appropriate procedure.

*   If the optional Hard Disk is installed in your printer, it will not be possible to create a RAM disk.
*   The RAM disk can be used for saving and reading print data.
*   Saving and reading data on the RAM disk is managed from the operation panel on the copier itself. Refer to "2. Printer settings" on page 2-1 for information on the appropriate procedure.

6. Memory Card

This machine comes equipped with a slot for inserting a Memory Card.
Use a Memory Card that contains fonts in order to print with fonts other than those already installed in the machine, or use the card to save and then read print data.

6-1 Inserting the Memory Card

Insert the Memory Card into the slot carefully with the front of the card facing the rear of the machine.

IMPORTANT!

BE SURE to turn the main switch OFF (O) BEFORE inserting or removing the Memory Card.
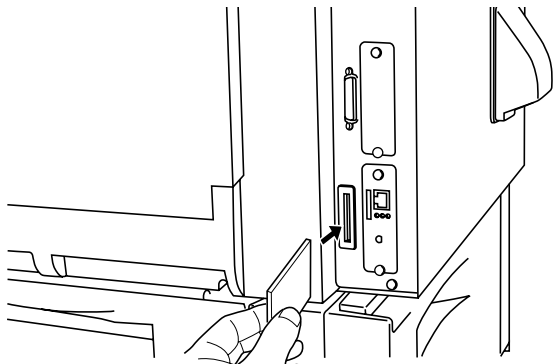
* The Memory Card is managed from the operation panel on the printer itself. Refer to "2. Printer Settings" on page 2-1 for information on the appropriate procedure.

6-2 Formatting the Memory Card

Perform the following procedure when you want to initialize the Memory Card.

IMPORTANT!

Initializing the Memory Card will erase all data in the card. Make sure that you want to initialize that Memory Card before starting the procedure.

1 Insert the Memory Card that you want to initialize into the Memory Card slot.

2 Press the Printer key. The machine will switch to the printer mode.

Inch specification

```
Ready                    🖳
 ➡ GO
    CANCEL
    MENU ▸
```

Metric specification

```
READY                    🖳
 ➡ GO
    CANCEL
    MENU ▸
```

3

Use the "▲" and "▼" cursor keys to select "MENU" and then press the Enter key.

Inch specification

```
Ready                      🖨
    GO
    CANCEL
⇨  MENU  ▶
```

Metric specification

```
READY                      🖨
    GO
    CANCEL
⇨  MENU  ▶
```

4

Use the "▲" and "▼" cursor keys to select "Memory Card" and then press the Enter key.

Inch specification

```
Menu                       🖨
▲  Print Quality      ▶
   HARD DISK          ▶
⇩⇨ Memory Card        ▶
```

Metric specification

```
MENU                       🖨
▲  PRINT QUALITY      ▶
   HARD DISK          ▶
⇩⇨ MEMORY CARD        ▶
```

5

Use the "▲" and "▼" cursor keys to select "Format" and then press the Enter key.

Inch specification

```
Memory Card                🖨
▲  Delete Program
   Delete Macro
⇩⇨ Format
```

Metric specification

```
MEMORY CARD                🖨
▲  DELETE PROGRAM
   DELETE MACRO
⇩⇨ FORMAT
```

6

Press the Enter key. Initialization of that Memory Card will start.

Inch specification

```
Format Memory Card         🖨
    No
⇨  OK
```

Metric specification

```
FORMAT MEMORY CARD         🖨
    NO
⇨  OK
```

7. Printer control commands

It is possible to issue simple commands to the Memory Card and RAM Disk from the MS-DOS Prompt in Windows.

7-1 Using printer control commands

A printer control command line includes "!R!" (Command operation start), as well the actual commands and parameters that are to be implemented and that are entered after that.
The basic configuration of a printer control command line is as follows:

[Example] To delete the print data entitled "SAMPLE.txt" from the Memory Card

```
ECHO !R! RWER D,A,2,"SAMPLE.txt"; EXIT;>LPT1
  A   B     C           D           E     F
```

A: DOS command
B: Command operation start
C: Command ("RWER D" is the command to delete data)
D: Parameters ("A" refers to the Memory Card, "2" refers to the type of data [in this case print data] and "SAMPLE.txt" is the name of the corresponding partition)
E: Command operation end
F: Printer connection port (Network: "PRN", Local: "LPT1", etc.)

CAUTIONS

• When issuing DOS commands in the Japanese input mode, ALWAYS use JIS ASCII (JIS C6220) characters. Kanji Code and Kanji Half-Space Code input will not work.
• Enter all commands in uppercase (capital) letters.
• Be sure to enter a semi-colon (;) at the end of each standard command [shown as "C" in the example above] (or after the corresponding parameter, if included), and separate each individual parameter with a comma (,).
• Be sure to enter a space before and after the "!R!" command, as well as before "EXIT;".

7-2 Formatting the Memory Card

Perform the following procedure when you want to initialize the Memory Card from your computer.
* The Memory Card is initialized from the operation panel on the copier itself. Refer to "6-2 Formatting the Memory Card" on page 6-1 for information on the appropriate procedure.

IMPORTANT!

WARNING;: Initializing the Memory Card will erase all data in the card. Make sure that you want to initialize that Memory Card before starting the procedure.

Procedure

1 Insert the Memory Card that you want to initialize into the Memory Card slot.

2 Open an MS-DOS Prompt in Windows.

3 Type in the command to format the Memory Card and then press the ENTER key.

```
C:\WINDOWS>ECHO !R! RWER F,A; EXIT;>LPT1
```

4 Once the Memory Card is formatted, the "FORMAT INFORMATION" report will be printed out.

7. Printer control commands

7-3 Writing print data

Perform the following procedure when you want to print data to a Memory Card, Hard Disk or RAM disk from your computer.
* Print data commands can be entered from the operation panel on the copier itself. Refer to "2. Printer settings" on page 2-1 for information on the appropriate procedure.
* Verify beforehand that the Memory Card is in a write-enabled state and that the RAM Disk is turned ON.

Procedure

1 Open an MS-DOS Prompt in Windows.

2 Type in the command to write data and then press the ENTER key.
  [Example] To write the print data entitled "SAMPLE.txt" to a Memory Card
  * If you want to write the data to the Hard Disk or the RAM disk, simply change the "A" parameter to "0".

```
C:\WINDOWS>ECHO !R! RWER W,A,2,"SAMPLE.txt";>LPT1_
```

3 Send the print data from your computer.

```
C:\WINDOWS>COPY /b SAMPLE.txt LPT1
```

4 Once the print data is sent, the next command can be sent.

```
C:\WINDOWS>ECHO !R! WRED; EXIT;>LPT1_
```

5 Print out the Partition List to verify whether or not the data was written properly.
  * Refer to "7-7 Printing out the Partition List" for information on printing that list.
  * Partition List print out can be accomplished from the operation panel on the printer itself. Refer to "2. Printer Settings" on page 2-1 for information on the appropriate procedure.

7-4 Writing font data

Perform the following procedure when you want to write font data to a Memory Card, the Hard Disk or the RAM disk from your computer. At the same time as the font data is written to disk, it will be sent to the printer as well.
* Verify beforehand that the Memory Card is in a write-enabled state and that the RAM Disk is turned ON.
* Only TrueType fonts can be written to the Memory Card, the Hard Disk or the RAM disk.

Procedure

1 Open an MS-DOS Prompt in Windows.

2 Type in the command to write data and then press the ENTER key.
  [Example] To write the font data entitled "FONT1" to a Memory Card

```
C:\WINDOWS>ECHO !R! RWER S,A,0,"FONT1","FONT",45040;>LPT1
                              ①②    ③       ④     ⑤
```

NOTES

The parameters contained within the command line are as follows:
1: "A" refers to the Memory Card, and "0" refers to the Hard Disk or RAM disk.
2: "0" refers to a TrueType font, "1" refers to a Japanese TrueType font, "2" refers to a Japanese TrueType Collection font
3: File name
4: Font name
5: Font data length (binary data bytes)

3 Send the font data from your computer.

```
C:\WINDOWS>COPY /b FONT1 LPT1_
```

4 Once the font data is sent, the next command can be sent.

```
C:\WINDOWS>ECHO !R! WRED; EXIT;>LPT1_
```

5 Print out the Partition List to verify whether or not the data was written properly.
  * Refer to "7-7 Printing out the Partition List" for information on printing that list.
  * Partition List print out can be accomplished from the operation panel on the printer itself. Refer to "2. Printer Settings" on page 2-1 for information on the appropriate procedure.

7. Printer control commands

7-5 Reading print data

Perform the following procedure when you want to read print data that has been saved on a Memory Card or RAM Disk.

* Perform the following procedure when you want to read print data that has been saved on a Memory Card, the Hard Disk or RAM disk.
* Verify beforehand that the Memory Card is in a write-enabled state and that the RAM Disk is turned ON.
* To verify saved data and the corresponding partition name, it is helpful to print out the Partition List. Refer to "7-7 Printing out the Partition List" for information on printing that list.
* Partition List print out can be accomplished from the operation panel on the printer itself. Refer to "2. Printer Settings" on page 2-1 for information on the appropriate procedure.

Procedure

1 Open an MS-DOS Prompt in Windows.

2 Type in the command to read data and then press the ENTER key.
   [Example] To read the print data entitled "SAMPLE.txt" from a Memory Card
   * To read the data from the Hard Disk or RAM disk, simply change the "A" parameter to "0".

```
C:\WINDOWS>ECHO !R! RWER R,A,2,"SAMPLE.txt"; EXIT;>LPT1
```

3 Print out of the corresponding data will begin.

7-6 Deleting print data or font data

Perform the following procedure when you want to delete print data or font data that has been saved on a Memory Card or RAM Disk.

* Deleting data can be accomplished from the operation panel on the printer itself. Refer to "2. Printer Settings" on page 2-1 for information on the appropriate procedure.
* Verify beforehand that the Memory Card or RAM Disk contains the data that you want to delete.
* To verify saved data and the corresponding partition name, it is helpful to print out the Partition List. Refer to "7-7 Printing out the Partition List" for information on printing that list.
* Partition List print out can be accomplished from the operation panel on the printer itself. Refer to "2. Printer Settings" on page 2-1 for information on the appropriate procedure.

Procedure

1 Open an MS-DOS Prompt in Windows.

2 Type in the command to delete data and then press the ENTER key.
   [Example] To delete the print data entitled "SAMPLE.txt" from a Memory Card
   * To delete the data from the Hard Disk or RAM disk, simply change the "A" parameter to "0".
   * To delete font data, simply change the "2" parameter to "1".

```
C:\WINDOWS>ECHO !R! RWER D,A,2,"SAMPLE.txt"; EXIT;>LPT1
```

3 Deletion of the corresponding data will begin.

4 Print out the Partition List to verify whether or not the data was deleted properly.

7. Printer control commands

7-7 Printing out the Partition List

Perform the following procedure when you want to print out the Partition List in order to verify the print data and font data that has been saved on a Memory Card, the Hard Disk or RAM disk.

* Partition List print out can be accomplished from the operation panel on the printer itself. Refer to "2. Printer Settings" on page 2-1 for information on the appropriate procedure.

Procedure

1 Open an MS-DOS Prompt in Windows.

2 Type in the command to print out the Partition List and then press the ENTER key.
   [Example] To print out the Partition List for a Memory Card
   * To print out the Partition List for the Hard Disk or RAM disk, simply change the "A" parameter to "0". If you do not include this parameter, all of the Partition Lists will be printed out.

```
C:\WINDOWS>ECHO !R! RWER L,A; EXIT;>LPT1_
```

3 Print out of the Partition List will begin.

7-8 Auto Partition List print out ON/OFF

It is possible to have a Partition List printed out automatically any time data is written to a Memory Card, the Hard Disk or RAM disk. Perform the following procedure when you want to change the setting for automatic print out.

Procedure

1 Open an MS-DOS Prompt in Windows.

2 Type in the command to have the Partition List printed out automatically and then press the ENTER key.
   [Example] To turn Auto Partition List print out ON
   * To turn Auto Partition List print out OFF, simply change the "E" parameter to "D".

```
C:\WINDOWS>ECHO !R! RWER I,E; EXIT;>LPT1_
```

8. Troubleshooting

8-1 Canceling printing

Perform the following procedure when you want to stop printing or you want to clear data.

IMPORTANT!
• Always cancel the print job at your computer first. If the print job is not canceled in your computer, the data will be sent once again to the printer.

1 Use the "▲" and "▼" cursor keys to select "CANCEL" and then press the Enter key or the Stop/Clear key. The interface select screen will appear in order for you to select which interface to cancel the print job for.

Inch specification

```
Processing data.        🖨
      GO
 ➪   CANCEL
```

Metric specification

```
PROCESSING DATA         🖨
      GO
 ➪   CANCEL
```
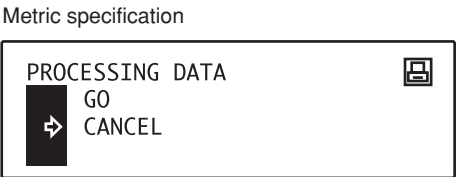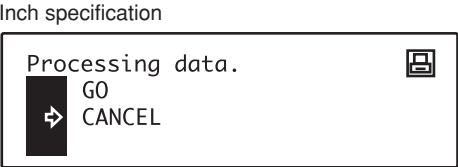
2 Use the "▲" and "▼" cursor keys to select the interface for which you want to cancel the print job.

Inch specification

```
Cancel data: Select I/F
      Back
 ➪   Parallel
 ▽   Serial
```

Metric specification

```
CANCEL DATA:SELECT I/F
      BACK
 ➪   PARALLEL
 ▽   SERIAL
```
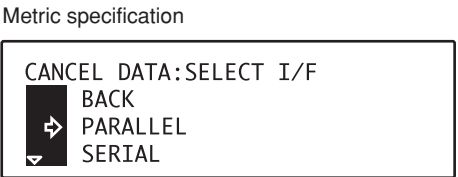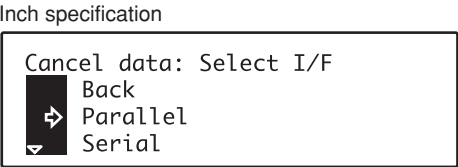
3 Press the Enter key. Printing will be canceled.

Inch specification

```
Cancelling data         🖨
```

Metric specification

```
CANCELLING DATA         🖨
```
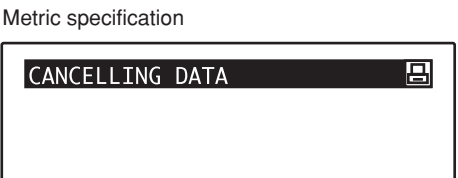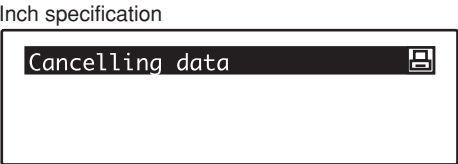
8. Printer Settings

8-2 When an error message appears…

If an error message appears on the operation panel, first check the following tables for cause of the trouble and then perform the corresponding procedure. For more detailed information, refer to the Operation Guide for your copier as well as the Operation Guide for any optional equipment that is installed in your machine.
If "Error in printer mode" is displayed, press the Printer key. A more specific message about the error will be displayed.

Display message	Procedure

Add paper in drawer.
XX size (XXX)
 	
ADD PAPER IN DRAWER.
XX SIZE (XXX)
	The size or type of paper selected for printing does not match the size or type of paper in the drawer. Replace the paper in the drawer with that of the correct size and type.
	1. If you want to switch to and print from a different drawer, press the Paper Select key until the desired drawer is selected and then press the Enter key.
	2. Otherwise, use the ▲ and ▼ keys to move the arrow ⇨ until it points to the desired command and then press the Enter key.
	  GO: Force-prints onto the current size or type of paper.
	  CANCEL: Cancels the printing operation completely.
	  Bypass Type: Changes the type of paper to be used in the Multi-Bypass.
	  Use the ▲ and ▼ keys to move the arrow ⇨ until it points to the desired paper type and then press the Enter key.
	  RESET: Resets the Printer Board. (Only printer functions will be reset.)

Use alternative? Press GO USE ALTERNATIVE? PRESS GO	Displayed when the selected drawer has been changed. Use the ▲ and ▼ keys to select the "GO" command and then press the Enter key.
Set paper Press GO SET PAPER PRESS GO	This message appear in the mode which allows you to select to have multiple copies made but only one page printed at a time. After each sheet is printed, use the ▲ and ▼ keys to select the "GO" command and then press the Enter key.
Place paper in drawer. PLACE PAPER IN PAPER DRAWER.	The drawer has run out of paper. Add paper.
Add staples. ADD STAPLES.	The finisher (option) has run out of staples. Refer to the Operation Guide for the finisher and replenish the staples.
Call service. CALL SERVICE.	Trouble has occurred within the printer. Contact your service representative or an authorized service center.
Department code mismatch DEPARTMENT CODE MISMATCH	The department code you entered does not match the registered one. Check the department code that is registered in the printer driver.
Exceeded print quantity limit. EXCEEDED PRE-REGISTERED PRINTING QUANTITY.	The amount of printing accomplished has exceeded the acceptable capacity as set under copy management. In order to print further, change the copy management setting in the printer.

8. Printer Settings

Display message	Procedure
RAM disk error Press GO RAM DISK ERROR PRESS GO	Code:## Check the error code displayed in place of ## and refer to the following. 01: Format error. Turn power OFF and ON again. 02: The RAM disk mode is OFF. Turn it ON. 03: A write error has occurred. Turn OFF write protection. 04: The RAM disk does not have enough area to store the data. Delete any unnecessary data to make more room. 05: The selected file could not be found. Check the file name and whether it is on the RAM disk or not. 06: There is not enough system memory. Increase memory capacity. 98: Some of the data being collated was not read. Job data is corrupt.
MemoryCard err Press GO MEMORYCARD ERR PRESS GO	Code:## Check the error code displayed in place of ## and refer to the following. 01: Format error. Reformat the memory card. 02: Memory card load error. Correctly load the memory card. 03: A write error has occurred. Turn OFF write protection. 04: The memory card does not have enough area to store the data. Delete any unnecessary data to make more room. 05: The selected file could not be found. Check the file name and whether it is on the memory card or not.

8. Printer Settings

Display message	Procedure
Hard Disk error Press GO HARD DISK ERROR PRESS GO	Code:## Check the error code displayed in place of ## and refer to the following. 01: Format error. Reformat the hard disk. 02: Hard disk load error. Correctly load the hard disk. 03: A write error has occurred. Turn OFF write protection. 04: The hard disk does not have enough area to store the data. Delete any unnecessary data to make more room. 05: The selected file could not be found. Check the file name and whether it is on the hard disk or not. 06: There is not enough system memory. Increase memory capacity. 20: The hard disk is loaded in the wrong slot. Load the hard disk in the correct slot. 85: An illegal name has been used for the virtual tray. Rename the tray correctly. 86: The wrong password was used for the virtual mailbox. Input the correct password. 88: Some of the data in the virtual mailbox was not read. Job data is corrupt. 97: No more jobs can be saved. The limit has been reached. Increase the number of storable jobs and available area. 98: Some of the data in the job was not read. Job data is corrupt.
KPDL error Press GO KPDL ERROR PRESS GO	Code: ## The current print job can not be continued. If "GO" is selected under "Print KPDL Errs" in the menu for printer-related settings, an error report will be printed out. If you want to print out the portion of the job that has been successfully received by the printer, use the ▲ and ▼ keys to select the "GO" command and then press the Enter key. If "Auto Continue" is turned "On", the printing operation will be restarted automatically after the amount of time specified there.
Memory Card err Insert again MEMORY CARD ERR INSERT AGAIN	The Memory Card was removed during operation under the menu for printer-related settings. Reinsert the Memory Card. * BE SURE to turn the main switch OFF (O) BEFORE inserting the Memory Card.
Insert the same memory card INSERT THE SAME MEMORY CARD	The Memory Card could not be detected during an operation in which the printer was reading data from that card. Reinsert the Memory Card. * BE SURE to turn the main switch OFF (O) BEFORE inserting the Memory Card.
Format error Memory card FORMAT ERROR MEMORY CARD	Initialization of the Memory Card currently inserted is necessary.
File not found Press GO FILE NOT FOUND PRESS GO	You have tried to print out a job that does not exist in the Virtual Mailbox. Use the ▲ and ▼ keys to select the "GO" command and then press the Enter key.
Read fonts Failed READ FONTS FAILED	The printer failed to read the font data. Try to read the font data again.
Read Macro Failed READ MACRO FAILED	The printer failed to read the macro. Try to read the macro again.

8. Printer Settings

Display message	Procedure
Warning low memory WARNING LOW MEMORY	There is not enough memory. You can check how much printer memory there is by printing out a status page. Delete any unnecessary font data and macros.
Warning image adapt WARNING IMAGE ADAPT	Because there is not enough memory, printing cannot be performed at the set resolution. Either add more memory to the printer or change the resolution.

Print Overrun Press GO
 	
PRINT OVERRUN PRESS GO
	A data overrun error has occurred due to insufficient memory.
	• Use the ▲ and ▼ keys to move the arrow ⇨ until it points to the desired command and then press the Enter key.
	  GO: Continues printing.
	  CANCEL: Cancels the printing operation completely.
	• If "Auto Continue" is turned "On", the printing operation will be restarted automatically after the amount of time specified there.
	• Once this error message is displayed, "Page Protect" will be turned "On" automatically.

Memory Overflow Press GO
 	
MEMORY OVERFLOW PRESS GO
	The current print job could not be completed due to insufficient memory in the printer.
	• Use the ▲ and ▼ keys to move the arrow ⇨ until it points to the desired command and then press the Enter key.
	  GO: Continues printing. The data that has already been processed will be printed out and the remaining portion of the print job will be printed onto the following page.
	  CANCEL: Cancels the printing operation completely.
	• If you are using a RAM disk, reduce the size of the RAM disk. If this error occurs often, it is recommended that you install additional memory into the printer. For more detailed information on adding memory, contact your service representative or an authorized service center.
	• If "Auto Continue" is turned "On", the printing operation will be restarted automatically after the amount of time specified there.

Virtual Mailbox Full VIRTUAL MAILBOX FULL	There is not enough area in the virtual mailbox. Print out data in the virtual mailbox.
Interface occupied INTERFACE OCCUPIED	The selected interface is currently is use. Wait for a while and then attempt the operation again.
Opt. ROM error Press GO OPT. ROM ERROR PRESS GO	A write error has occurred in the optional ROM. Use the ▲ and ▼ keys to select the "GO" command and then press the Enter key. The error state will be erased.
Format error Hard Disk FORMAT ERROR HARD DISK	Initialize the hard disk.
Check chad box CHECK CHAD BOX	Either the punch waste box is not correctly installed or it is full. Reposition or empty it as necessary.
Face-Up Tray Path Error FACEUP TRAY PATH ERROR	The side tray is closed. Printing is not possible. Open the side tray.

9. Procedure for Installing and Printing with a Printer Driver

9-1 Included printer drivers

The following printer drivers are included with this product.

* Each type of printer driver has a version appropriate to a specific model of copy machine. Be sure to choose the driver that is appropriate for your copier.

Driver type	Description	Compatible OS
KX driver	By attaching optional equipment it is possible to easily extend printer functionality. This driver will enable you to use such compound printer functions to their fullest.	Windows 95/98 Windows NT4.0 Windows 2000 Windows Me
Macintosh PPD file	A PPD (PostScript Printer Description) file is included for use with this product. Use "LaserWriter 8" as the printer driver for your Mac OS. Refer to "11. Printer Driver for Macintosh" on page 11-1 for information on installation on a Macintosh computer.	Macintosh OS 7.61 - 9.1

9. Procedure for Installing and Printing with a Printer Driver

9-2 System requirements

● **Windows 95/98**

Recommended environment	CPU	Pentium 90 MHz or faster
	RAM	16 MB or more
	HDD	10 MB or more
CD-ROM drive		1 drive

● **Windows NT 4.0**

Recommended environment	CPU	Pentium 90 MHz or faster
	RAM	32 MB or more
	HDD	10 MB or more
CD-ROM drive		1 drive

● **Windows 2000**

Recommended environment	CPU	Pentium 133 MHz or faster
	RAM	64 MB or more
	HDD	10 MB or more
CD-ROM drive		1 drive

● **Windows Me**

Recommended environment	CPU	Pentium 200 MHz or faster
	RAM	64 MB or more
	HDD	10 MB or more
CD-ROM drive		1 drive

9-3 Screen that Appears when the CD-ROM is Inserted

This section explains the screen that appears when the CD-ROM supplied with the Printing System is inserted into the CD-ROM drive.

■ **Install Drivers**

Click to start installation of the printer driver. Follow the instructions displayed on the screen to install the printer driver.

■ **Driver Tools**

Click to display a menu including uninstallation of the printer driver.

[Remove Drivers] .... Starts the uninstaller of the printer driver.

[Make Driver Disk] .... Copies the installer program to a floppy disk. Use of this floppy disk allows you to install the printer driver without the need of the installer CD-ROM.
　　　　　　　　　　　　　　　　　　 * Driver for Macintosh cannot be made.

■ **[Network]**

Click to display the KM-NET VIEWER's installation menu. Follow the instructions displayed on the screen to install the KM-NET VIEWER.

■ **Documentation**

Click to display the manual (PDF) supplied with the printer driver. To open this PDF manual, Adobe Acrobat Reader (developed to view PDF files) is required, so make sure that Adobe Acrobat Reader is installed before opening the manual.

[Install Acrobat Reader] .... Installs Adobe Acrobat Reader.

[User's manual] .... Displays the manuals (PDF) of the printer and printer driver. They explain the installation procedure of the printer driver and operation procedure of the printer.

[Release Notes], [Read me] .... This file contains information which is not explained in the manuals. Please read this file before using the printer driver.

[Programming Manuals] .... Displays the manuals (PDF) of the PRESCRIBE.

9-4 Installing the Printer Driver (Windows)

Install the printer driver as follows:

* The printer can be connected to the computer by one of the following two methods: local or network. If you want to connect them through network, refer to the operation manual of the operating system (OS).
* The screens shown in the following explanation are those displayed when installing the printer driver for Windows 95/98.

1 Start Windows.

* If any applications are currently running, exit them.

2 Insert the CD-ROM supplied with the printer into the CD-ROM drive.

A start window will appear.

3 Click Install Driver in the lower left corner of the window.

* If the start window does not appear even if the CD-ROM is inserted, double-click My Computer on the desktop, then double-click the CD-ROM icon.

4 The Set-up Wizard window will appear, so click "Next".

A list of printer models will appear.

5 Select the printer you are using, then click "Next".
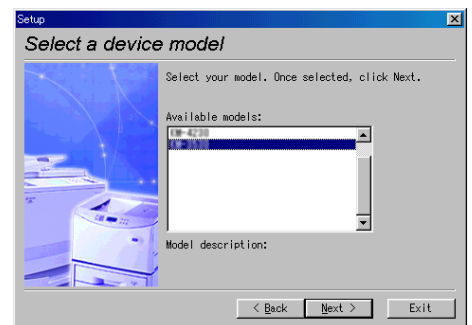
6 The language to be used can be selected. Select the desired language from the box, then click "Next".
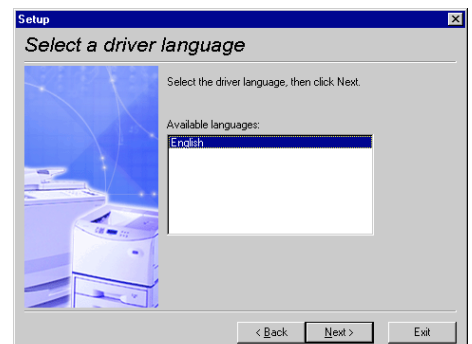
7 Select the driver type.
From the list, select the type of driver to be installed, then click "Next".
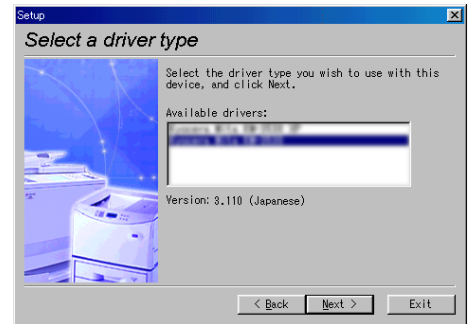
8 All available options will be displayed. Select the items that you want to install and then click on the "Next" button.

9 Select the connection type: Local or Network.
• Local: The printer is connected directly to the parallel port.
• Network: The printer is connected to the printer via network (using a network interface).

* If Local is selected, proceed to step 11. If Network is selected, proceed to step 10.
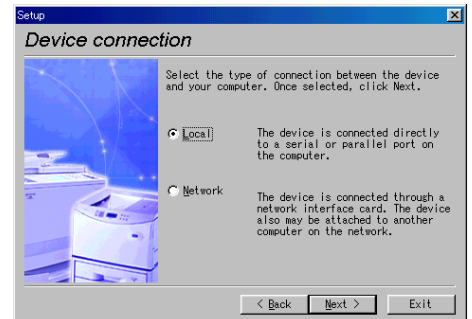
10 Enter the network queue name or the path for the network queue in the box.

To select another network queue name, press "Browse".
If you are going to use a local port for the network queue, click the check box displayed below, then proceed to step 11.
Otherwise, proceed to step 12.
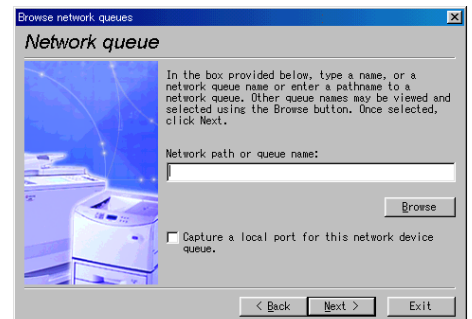
11 Select a printer port. From the list, select the desired port, then click "Next".

* Normally, set to LPT1.
* When installing the printer driver for Windows NT, the "Add" LPR Port button will appear below the box, so press the button to set the desired LPR printer.
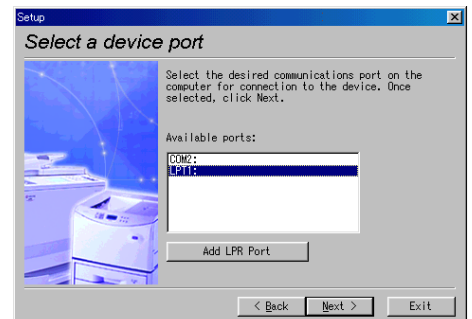
12 A name can be assigned to your printer.
Specify a new name or select the desired name from the list, then click "Next.
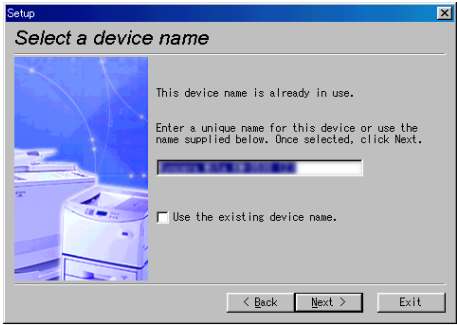
13 Specify whether this printer is to be used as the default printer.
Click "Yes" if so, or click "No" if not.
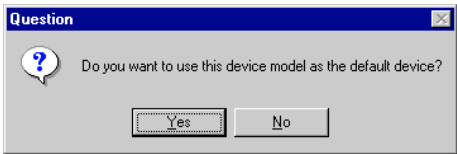
14 The settings you have made so far will appear. If they are correct, click "Next".
Installation of the printer driver will start.
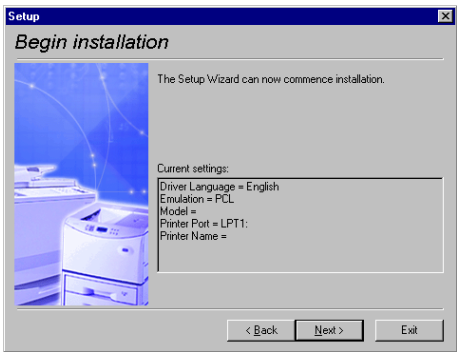
15 To exit installation, click "Finish".

* If you want to add another printer driver, click "Add Printer" and then repeat the same procedure.

Installation of the printer driver is now complete.
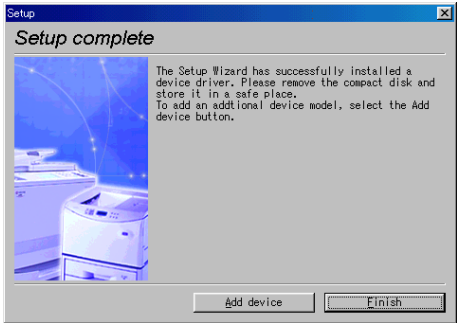
9-5 Uninstalling the Printer Driver

This section explains how to uninstall the printer driver.
Use of the uninstaller supplied with the printer driver allows you not only to uninstall the printer driver, but also uninstall the printer driver related files and Windows registries.

* Never delate Windows registries which do not relate to the printer to be uninstalled Since Windows registries are deeply involved in the operation of the computer, the computer may malfunction if wrong registries are delated.

1 Start Windows.

2 Insert the printer driver installer CD-ROM into the CD-ROM drive on your computer.

The window shown on the right will appear.

3 Click on "Driver Tools" and then on "Remove Drivers" from the subsequent menu.
The "Printer Deleter" dialog box will appear.
Clicking "+" mark will display printer drivers installed on the computer and Windows registries in a hierarchical (tree) structure.
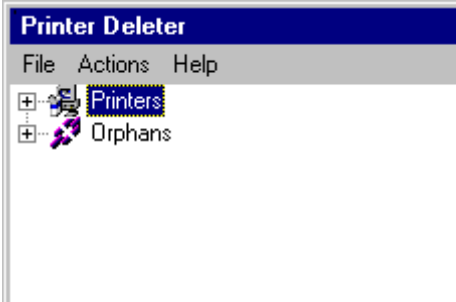
4 Select the printer you are using, then select "Actions"-"Delete".
The selected printer driver will be removed.

* The selected printer driver can also be removeed by pressing the "Del" key, instead of selecting "Action"-"Delete".
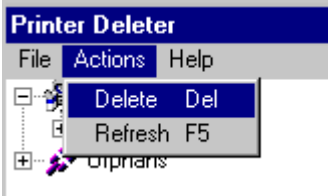
9-6 Printing

The following is an example procedure for printing using a printer driver under the conditions and environment noted below.
- OS: Windows 98
- Printer driver: KX Driver
- Application: Wordpad
- Printing conditions: Print and staple

If you use a system or driver other than that noted above, use the following procedure simply as a reference tool.

1 ● **Making the printer driver settings in Windows**
Click on "Start" on the Task Bar.

The Start menu will appear.

2 Use the mouse to point to "Settings" and click on "Printers" in the corresponding submenu.

The "Printers" folder will open.

3 Use the right mouse button to click on the icon for this printer. A pop-up menu will be displayed.
Select "Properties" from that menu.

The Properties window will appear.
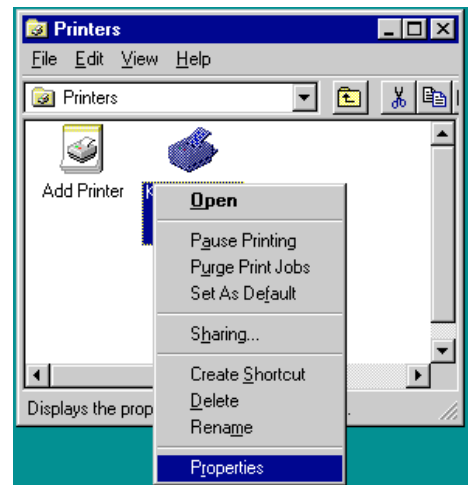
4 Click on the "Device Settings" Tab.

5 Perform the following settings in order to staple your printed sets.

"Device Options" setting
① Put a check mark in the "Finisher" checkbox.
② Put a check mark in the "RAM Disk" checkbox and set the memory size of the RAM disk. (This setting must coincide with the setting in the printer.)
  * If the optional hard disk is installed, put a check mark in the "Hard Disk" checkbox.

Once you have completed these settings, click on "OK".
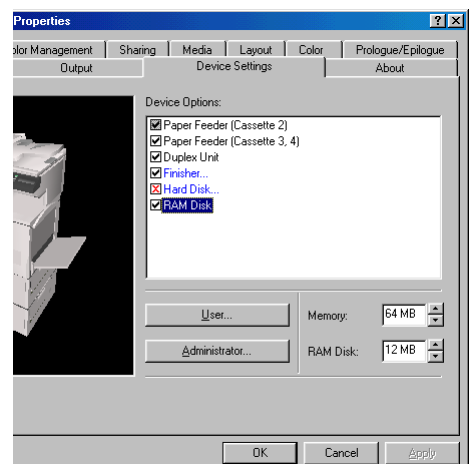
6

● **Printing from the application**
Use the application that you want to use to open the document that you want to print.

7

Select "Print" in the "File" menu.

The "Print" dialogue box will appear.
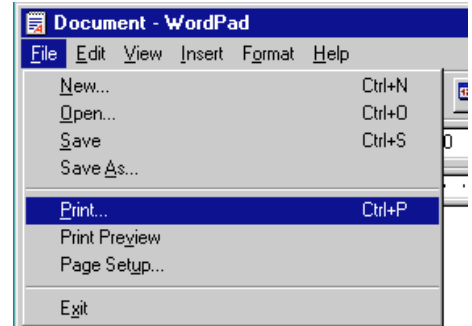
8

Select the desired number of copies that you want to make and which pages are to be printed.

Select this printer in the "Name" field.
Click on "Properties".
The Properties window will appear.
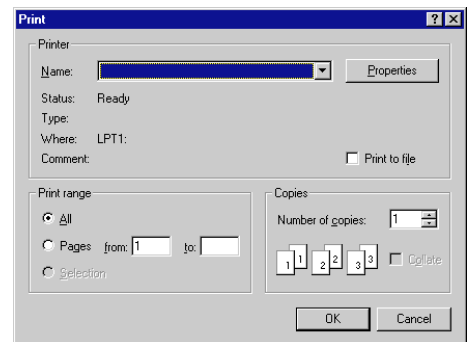
9

Click on the "Output" Tab.
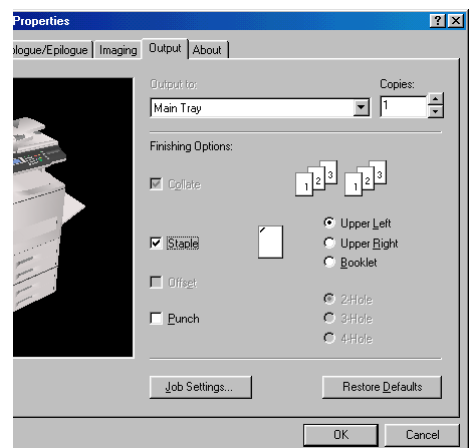
10

Perform the following settings in order to staple your printed sets.

① Select "Main Tray" as the "Output to" setting.

"Finishing Options" setting
② Put a check mark in the "Staple" checkbox.

11

Click on "OK". You will be returned to the "Print" dialogue box. Click on "OK" once again. Printing will begin.

10. Windows KX Driver

The following section explains the functions of the KX driver.
* The following procedure is explained as though it is being carried out in Windows 98. If you are using another operating system, use this procedure simply as reference.
* Depending upon version upgrades of the printer driver, the screenshots shown here may differ somewhat from that of the actual printer driver.
* Depending upon the model of your copier, there may be functions that are not supported or that require optional equipment to be installed. Even if the settings for such functions are performed, they will not be effective.
* Refer to the Instruction Manual for Windows regarding items that are not explained in this Operation Guide.

10-1 Making property settings

1 Start up Windows.

2 Click on "Start" in the Task Bar.
The "Start" menu will be displayed.

3 Use the mouse to point to "Settings" and click on "Printers" in the submenu that is displayed. The "Printers" folder will open.

4 Use the right mouse button to click on the icon for this printer. A pop-up menu will be displayed.
Select "Properties" from the menu.
The Properties window will open.

10-1
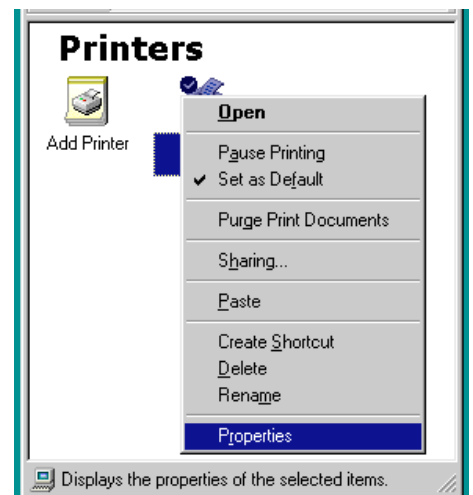
10-2 Media Tab
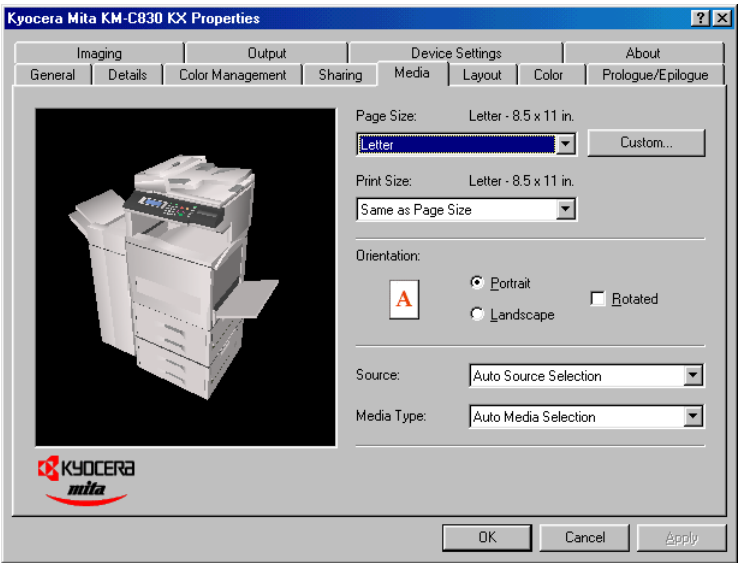
■ **Paper Size:**

Allows you to select a standard size of paper or an envelope size.
The following sizes of paper or envelope can be used with this printer.

Standard-size paper sheet	Letter (8 1/2" x 11"), Legal (8 1/2" x 14"), Ledger (11" x 17"), 12" x 18", Statement (5 1/2" x 8 1/2"), Executive (7 1/2" x 10 1/2"), A3, A4, A5, A6, Folio, B4, B5 (JIS), B6 and B5 (ISO)
Envelope	#10, #9, Monarch, #6, C4, C5 and DL

■ **Custom...**

Click on this button when you want to print onto a non-standard size of paper. The "Custom Paper Size" dialog box will appear. Refer to "9-2-1 Custom Paper Size dialog box" on page 10-3 for more detailed information.

■ **Print Size:**

Allows you to select the size of the printed image. The image size will be enlarged or reduced according to the difference in the setting made here and in the "Page Size" field.

■ **Orientation:**

Sets the orientation of printing.

[Portrait] .... The image will be printed vertically.
[Landscape] .... The image will be printed horizontally.
[Rotated] .... Select this checkbox by clicking on it and putting a check mark in the box in order to have the image printed upside-down.

■ **Source:**

You can select the source of paper feed according to the desired tray. Selection is possible from among the following items. If you select "Auto Source Selection", the printer will automatically choose the tray that contains the most appropriate paper for the job. The factory default setting is "Auto Source Selection".

Tray	Auto Source Selection, Cassette 1, Cassette 2, Cassette 3, Cassette 4 and Multi-Purpose Feeder

* "Cassette 3" and "Cassette 4" are available only when the Option Cassette is installed.
* In duplex copiers, Cassette 1 can not be selected because the Duplex Unit is installed in its place.

■ **Media Type:**

You can select the source of paper feed according to the desired type of paper. Selection is possible from among the following items. If you do not want to designate a specific type of paper, select "Auto Media Selection". The factory default setting is "Auto Media Selection".

Paper type	Auto Media Selection, Plain, Transparency, Preprinted, Labels, Bond, Recycled, Vellum, Rough, Letterhead, Color, Prepunched, Envelope, Cardstock, Coated, Custom 1 to 8

10-2-1   Custom Paper Size dialog box

■ **Setting a custom paper size**
Perform the following procedure in order to register a custom size when you want to print onto a non-standard size of paper. The information registered here will be displayed under the "Page Size" setting in the Media Tab as well as in the Paper Size setting of your application.

**1** If you want to register a new custom paper size, click on the "Add" button. The "Edit Paper Size" dialog box will appear.
If you want to change a previously registered paper size, click on the registered size to select it and then click on the "Edit" button.
If you want to delete a registered paper size, click on the desired size to select it and then click on the "Remove" button.

2 Type into the "Name" field the name you want to use for this custom size of paper.
* It is the name that you register here that will actually be displayed under the "Page Size" setting.
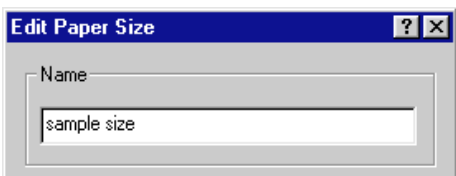
3 Select the width and length of the paper in the "Size" block.
* You can also select the unit of measurement (inches or millimeters) under "User Settings" in the Device Settings tab. (See page 10-18.)
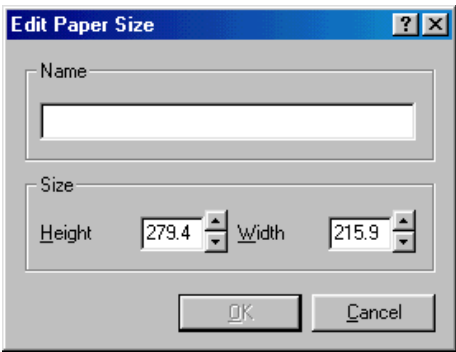
4 Click on the "OK" button. The "Custom Paper Sizes" dialog box will appear once again.

5 Click on the "OK" button.

10-3 Layout Tab
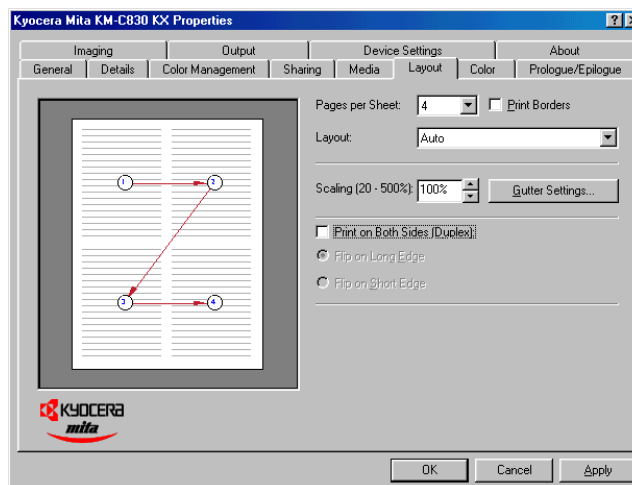
■ **Pages per Sheet:**

Allows you to print reduced images of multiple (1, 2, 4, 6, 9, 16 or 25) pages onto a single sheet of paper. This function is called "N-Up" printing (where "N" equals the number of image pages). Reduction of the images is calculated automatically so that all of the selected pages fit onto the single sheet of paper. The factory default setting is "1" (one page to each sheet of paper).

Example: With 2-Up printing

Prints reduced images of 2 full pages onto a single sheet of paper.
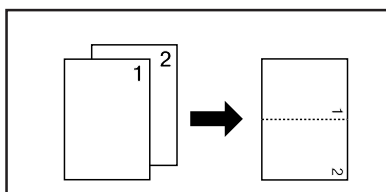
■ **Print Borders**

Prints border lines between the different images when the "Pages per Sheet" function is selected.

■ **Layout**

Specifies the order of display of the images when the "Pages per Sheet" function is selected.

■ **Scaling (20 – 500%)**

Allows enlargement or reduction of the image size.

Note

The image size will normally be enlarged or reduced according to the difference in the setting made in the "Page Size" and "Print Size" fields. If you then change the setting here, the actual magnification will be based on the original settings and the image may be even further enlarged or reduced.

■ **Gutter Settings…**

Click this button to open the "Gutter Settings" dialog box and set the margin for the left side of the paper.

■ **Print on Both Sides "Duplex"**

Select this checkbox by clicking on it and putting a check mark in the box in order to perform Duplex (2-sided) printing. You can then select the desired image direction for each side of the paper.

[Flip on Long Edge] .... Select this option when making duplex prints in order to have the image on the two sides of the paper printed in the same direction as each other, as though the paper was turned over along its longer edge.

[Flip on Short Edge] .... Select this option when making duplex prints in order to have the image on the two sides of the paper printed in the opposite direction from each other, as though the paper was turned over along its shorter edge.

* Available only in duplex copiers.
* Paper sizes, types and source of paper feed that are acceptable for duplex printing are as follows:

Paper sizes: Letter (8 1/2" x 11"), Legal (8 1/2" x 14"), Ledger (11" x 17"), Statement (5 1/2" x 8 1/2"), A3, A4, A5,
Folio (210 mm x 330 mm), JIS B4 and B5 (JIS)

Paper types: Plain, Recycled, Color, Preprinted, Rough, Prepunched, Bond, Letterhead, Custom 1 to 8

Paper types: Plain, Recycled, Color, Preprinted, Rough, Prepunched, Bond, Custom 1 to 8

Source of paper feed: Any tray EXCEPT the Bypass Tray

10-4 Color Tab
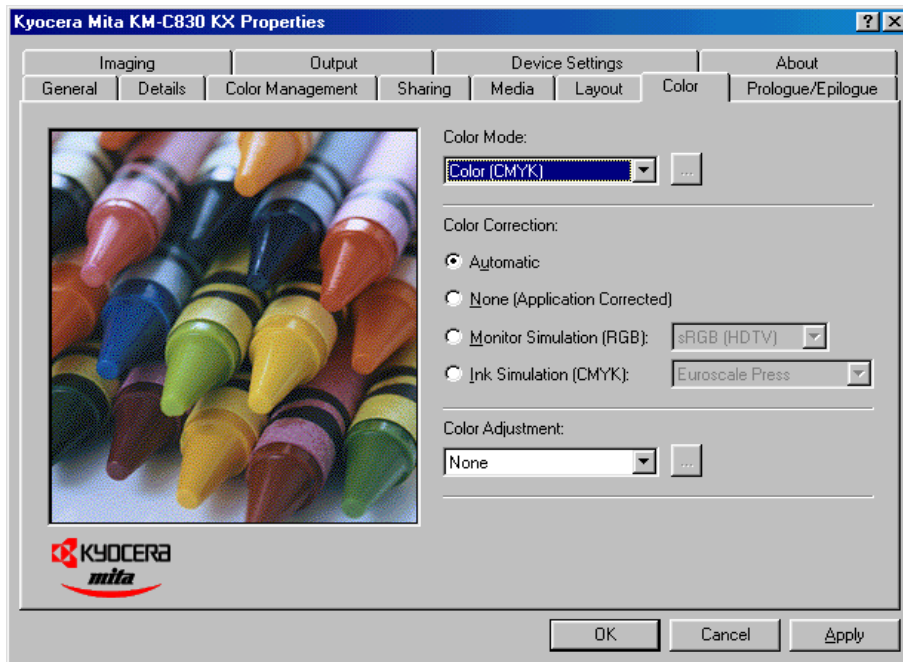
■ **Color Mode:**
Selection is possible from among "Color (CMYK)", "Monochrome" and "Custom…". If "Custom…" is selected, "Gray Component Replacement", "Continuous Tone" (for photos, etc.), "Gloss Mode", "Monochrome" and other settings can be made.

■ **Color Correction:**
Designates the color matching process. Selection is possible from among "None (Application Corrected)", "Monitor Simulation (RGB)" and "Ink Simulation (CMYK)".

■ **Color Adjustment:**
Different color adjustment settings can be registered as "Custom 1", "Custom 2" and "Custom 3". Select the item that contains the settings that you want to use.
If you do not want to color adjustment to be performed, select "None".
In order to perform color adjustment, select "Custom 1", "Custom 2" or "Custom 3", as desired, and then click on the […] button to the right of the field. The "Color Adjustment" dialog box will appear. Refer to "10-4-1 Color Adjustment" on page 10-6 for more detailed information.

10-4-1   Color Adjustment

Select either "HSL (Hue, Saturation, and Lightness)" or "RGB" under "Color Space". The adjustment screen will change according to the color space selected. The effect of any adjustments can be confirmed in the simulation window on the left side of the dialog box.

<When you select "HSL (Hue, Saturation, and Lightness)"…>
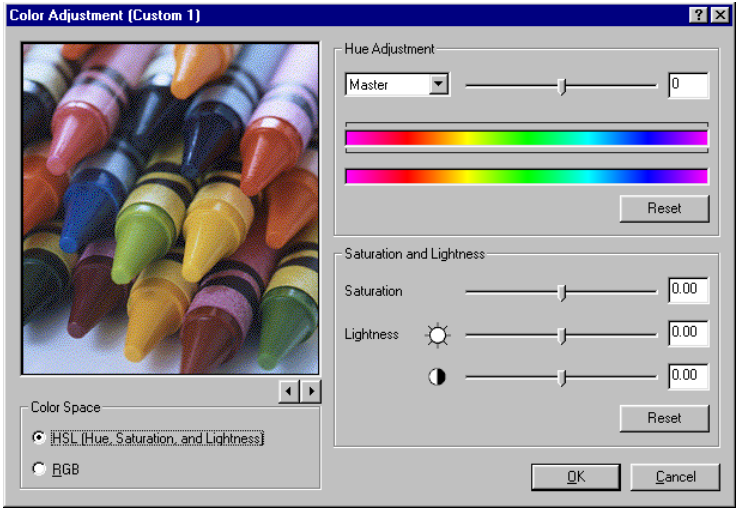
■ **Hue Adjustment**

Drag the slider to the left or the right in order to adjust the hue as desired. If the "Master" setting is selected, all colors will be adjusted at the same time. It is also possible for you to select each color and perform hue adjustment for that color alone.

■ **Saturation and Lightness**

[Saturation] .... Adjusts the color saturation of the image. Drag the slider to the left or the right as desired in order to change the saturation. Click on the "Reset" button if you want to return the value to "0.00".

[Lightness] .... Adjusts the lightness (upper slider) and the contrast (lower slider) of the image. Drag the slider to the left or the right as desired in order to adjust the corresponding levels. Click on the "Reset" button if you want to return the values to "0.00".

<When you select "RGB"…>
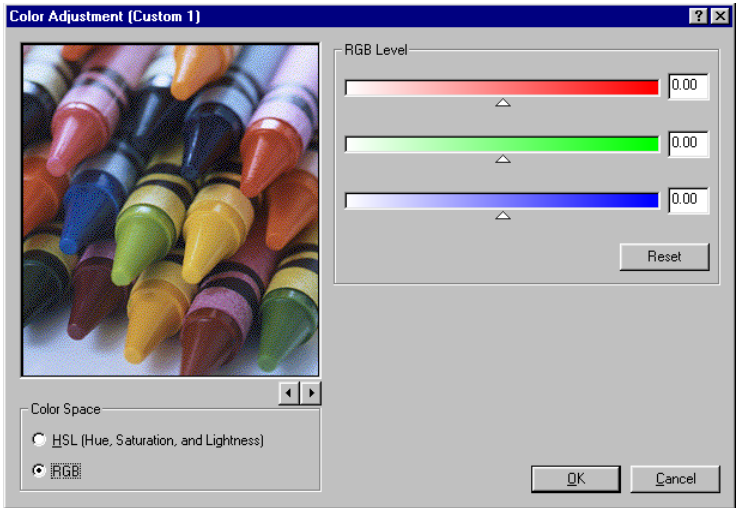
■ **RGB Level**

Drag the slider to the left or the right in order to adjust the value for each primary RGB (red, green and blue) color generated on the computer monitor.

10-6

10-5 Prologue/Epilogue Tab
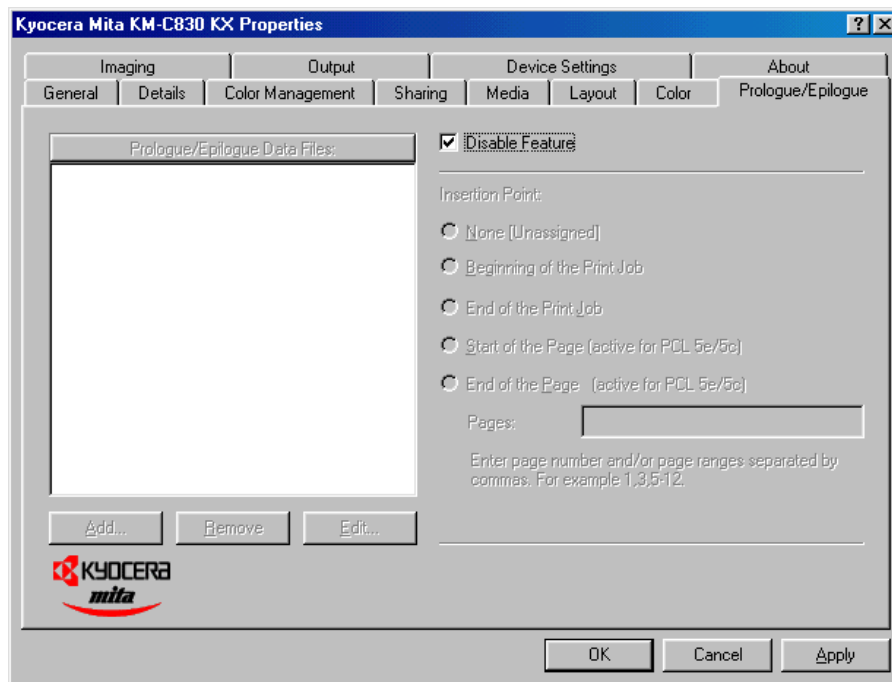
■ **Disable Feature**
Make sure there is NO check mark in this checkbox if you want to use the printer's overlay function. The overlay function will allow you to have selected macro data printed out on top of your documents.

■ **Add**
Click on this button when you want to add the data of the file that is selected in the displayed list.

■ **Remove**
Click on this button when you want to delete the selected file from the list.

■ **Edit**
Click on this button when you want to edit the contents of the selected file.

Insertion Point:
By REMOVING the check mark from the checkbox next to "Disable Feature", select a registered file from the list and click on the "Add" button, the following settings will become available.

■ **None "Unassigned"**
Print without using registered files.

■ **Beginning of the Print Job**
The data for the selected file will be transmitted once, and embedded at the beginning of the print job data.

■ **End of the Print Job**
The data for the selected file will be transmitted once, and embedded at the end of the print job data.

■ **Start of the Page**
In the case of a multiple-page print job, the data for the selected file will be transmitted (embedded) at the beginning of the data for each page.

■ **End of the Page**
In the case of a multiple-page print job, the data for the selected file will be transmitted (embedded) at the end of the data for each page.

■ **Pages**
When "Start of the Page" or "End of the Page" are selected, designate the desired page number here.

10-6 Imaging Tab
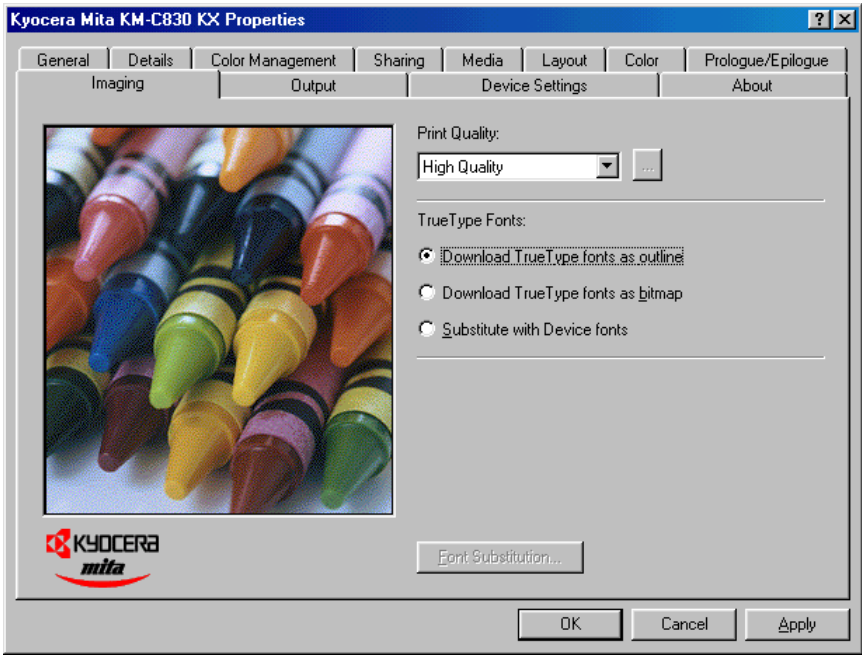
■ **Print Quality**

Selects the quality at which printing will be accomplished.

[High Quality] .... Enables printing at the highest quality possible for the printer being used.

[Custom...] .... When carrying out black and white printing, selection is possible between "Kyocera Image Refinement" and "EcoPrint". In order to make your selection, select the "Custom…" setting and then click on the […] button to the right of the field.

■ **TrueType Fonts**

Selects the method of printing with fonts. The factory default setting is "Download TrueType fonts as outline".

[Download TrueType fonts as outline] .... TrueType fonts will be downloaded to the printer as outline fonts for printing.

[Download TrueType fonts as bitmap] .... TrueType fonts will be downloaded to the printer as bitmap fonts for printing.

10-7 Output Tab
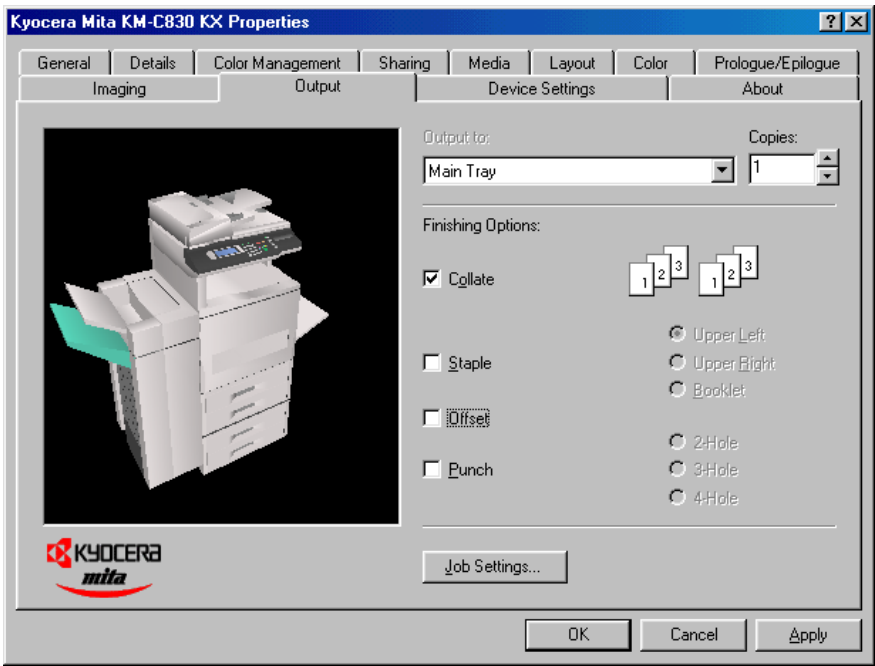
■ **Output to:**
Specifies the location of ejection of printed copies.
Selection is possible when the optional output devices are installed.

[Printer Default] .... Copies will be ejected into the location that is selected in the printer as the place where the printed paper will be ejected.
[Inner Tray] .... Copies will be ejected onto the Inner tray.
[Side Tray (Face-Up)] .... Copies will be ejected onto the side tray.
[Main Tray] .... Copies will be ejected into the lower tray of the optional Finisher.
[Sub Tray] .... Copies will be ejected into the upper tray of the optional Finisher.

* If you designate a setting other than "Main Tray" or "Sub Tray" as the location of ejection, it is necessary to first select "Document Finisher" under "Device Options" on page 10-16.

■ **Copies**
Specifies the number of prints to be made. Select between 1 and 999 copies by clicking on the arrows at the right of the field or by typing the desired number directly into the field. The factory default setting is "1".

■ **Collate**
When you are printing more than one copy of one or more pages, it is possible to sort the printed copy sets.
* When you want to make multiple copy sets, put a check mark in checkbox next to "RAM Disk" under the "Device Settings" Tab and set the memory size for the RAM disk. (Be sure to enter the same setting as that made in the printer.)
  If, however, the optional hard disk is installed, put a check mark in checkbox next to "Hard Disk".
* If you select to turn on the "Staple" setting (see page 10-10), it is necessary to select "Collate" here.

Example: If the "Collate" option is selected, it is possible to print out 2 sets of the same copies.
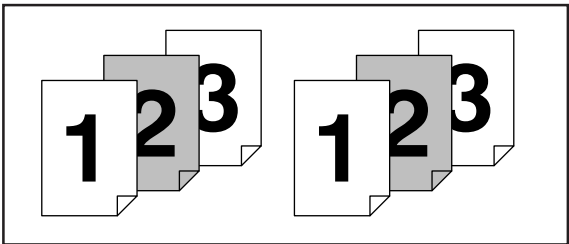
■ **Staple**

Stapling is possible if the optional finisher is installed.

* The following settings are required before stapling is possible:
  (1) "Device Options" setting in the "Device Settings" Tab
    • Select "RAM Disk" or "Hard Disk".
    • Select "Document Finisher".
  (2) "Output" Tab
    • Select "Main Tray" as the "Output to" setting.
    • Put a check mark in the checkbox for "Collate".
    • Put a check mark in the checkbox for "Staple" and select the desired type of stapling you want performed.
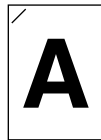
Upper Left	Upper Right	Booklet
A	**A**	**A**
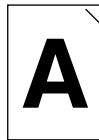
■ **Offset**

This mode groups prints made from multiple originals and ejects them each one slightly shifted from the precious one.
Offsetting is possible if the optional finisher is installed.

* The following settings are required before Offsetting is possible:
  (1) "Device Options" setting in the "Device Settings" Tab
    • Select "Finisher".
  (2) "Output" Tab
    • Select "Main Tray" as the "Output to" setting.
    • Put a check mark in the checkbox for "Offset".

■ **Punch**

When the optional Finisher is equipped with a Punch Unit, it is possible to have holes punched into the finished copies.

* In order to use the Hole Punch function, it is first necessary to perform the following settings.
  (1) "Device Options" setting in the "Device Settings" Tab
    Select "Document Finisher" and select the type of Punch Unit.
  (2) In the "Output" Tab
    • Select "Main Tray" or "Sub Tray" as the "Output to" setting.
    • Put a check mark in the checkbox for "Punch" and select the type of hole punching you want performed.

■ **Job Settings...**

Clicking on the "Job Settings..." button opens up the "Job Settings" dialog box from which you can print out using the e-MPS (Job Storage) function. For details, see "10-7-1 Printing using the e-MPS function" on page 10-11.

10-7-1   Printing with the e-MPS (Job Storage) function

The e-MPS function is a new feature that combines the functions of job storing, virtual mailboxes and printing from barcodes. With it, you can make multiple copies by sending the print data from your PC once. The data is stored on the printer's hard disk and used to make subsequent copies. Storing the print data on the hard disk speeds up printing, minimizes spooling from the PC and lessens network load and enables the use of Quick Copy and other functions. For example, with Quick Copy you can make additional copies using data on the hard disk without requiring PC drive.

* The optional hard disk must be installed in order to use the e-MPS (Job Storage) function.

1 Click in the "Job Storage (e-MPS)" checkbox in the "Job Settings" dialog box.

10-11
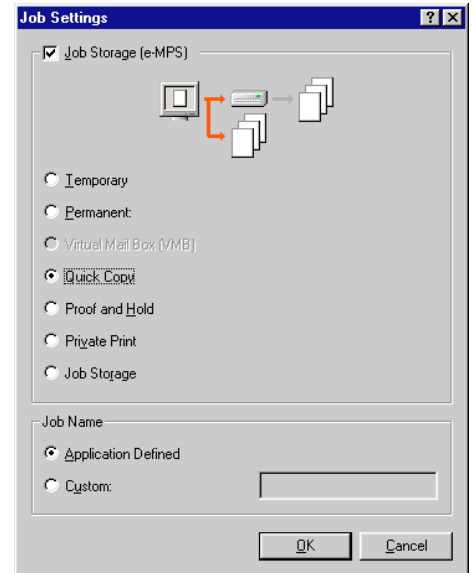
2 Place a check in the checkboxes of functions you want to use.

Temporary .... Data to be printed is stored on the hard disk of the printer. This can increase the speed of printing for those jobs which involve multiple copy sets. If the area allocated for saving data becomes full when printing under the "Temporary" setting, the data for the oldest print job will be deleted in order to make sufficient space.

Permanent .... Data to be printed is stored on the hard disk of the printer. This can increase the speed of printing for those jobs which involve multiple copy sets. The document data will be retained on the hard disk even if the area allocated for saving data becomes full when printing under the "Permanent" setting. In this case, in order to save new data, use the optional Barcode Reader or Utility Software to delete unneeded data and make space available.

* With the "Temporary" and "Permanent" settings, it is possible to use the optional Barcode Reader, or the Printer Disk Manager and Job Manager Utility Software that are included on the enclosed CD-ROM, in order to add and delete print jobs.

Virtual Mail Box
(VMB) .... Data to be printed is stored in a virtual mailbox created on the printer's hard disk and can be printed out whenever necessary using the operation panel. Up to 255 virtual mailboxes can be created. The document data will be retained on the hard disk even if power to the printer is turned OFF, but it will be deleted once it is printed out.

Quick Copy .... This mode allows you to use the operation panel to print out an additional number of copies for a specific print job whenever necessary. The factory default setting for the number of print jobs that can be saved on the hard disk of the printer is 32 (up to 50 possible under e-MPS settings). If the number of print jobs entered exceeds the available limit, the next job will be written over the oldest data. The document data will be deleted if power to the printer is turned OFF.

Proof and Hold ...... This mode prints out only a single copy set of a multiple-copy set print job so that you can check the content and quality of the printout first. Then, if there are no problems, you can use the e-MPS "Quick Copy" setting on the printer operation panel to print out the required number of copy set or delete the job, as desired. The document data will be deleted if power to the printer is turned OFF.

Private Print .... This mode allows you to save data for a print job without printing it out. Since input of a password is required in order to print the corresponding data, confidentiality is maintained even with shared printers. The document data will be deleted once it is printed out or if power to the printer is turned OFF.

Job Storage .... This mode stores data for often used formats on the printer's hard disk so that you can print out copies whenever needed. Printing is accomplished from the operation panel on the printer after inputting a password. The document data will be retained on the hard disk even if power to the printer is turned OFF.

3 If you selected "Private Print" or "Job Storage", input a password in the "Access Code" field. This password can be any 4-digit number from 0000 to 9999. You will need to input this password from the printer operation panel in order to print out. Even if you selected "Job Storage" however, there are times when it may not be absolutely necessary to enter the password.
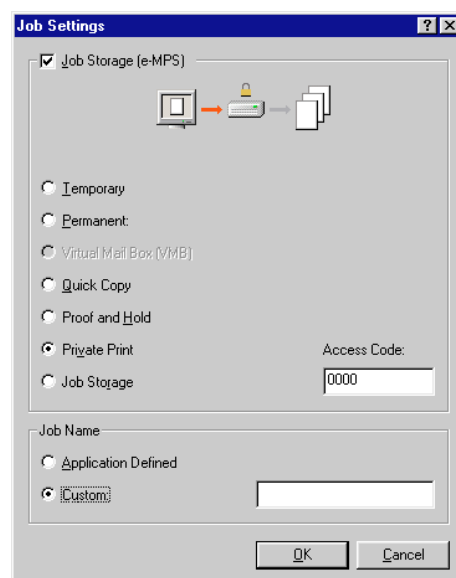
4 Select "Application Defined" or "Custom" under "Job Name". If you selected "Custom", input a user name. This name will be displayed on the touch panel when printing from the printer operation panel.

**5** Click on the "OK" button. Printing using the selected function will now be possible.

■ **How to print using the Virtual Mailbox function**
Documents can be stored in virtual mailboxes on the printer's hard disk and printed out from the printer's operation panel whenever needed. Up to 255 mailboxes can be created and used. The documents are retained in the mailboxes even when power to the printer is turned OFF. To use the Virtual Mailbox function, you must make settings as follows.

Virtual Mailbox setting

1 Open the "Hard Disk Settings" dialog box in the "Device Settings" Tab.
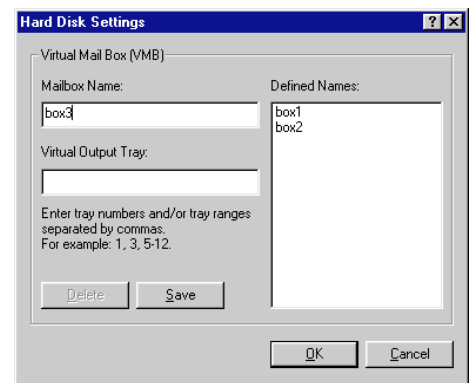
2 Type a name in the "Mailbox Name" field and input a number from 1 to 255 in the "Virtual Output Tray" field. Then, clicking on the "Save" button adds the mailbox to the "Defined Names" list.
To delete a mailbox, select it from the "Defined Names" list and click on the "Delete" button.

3 Click on the "OK" button.

Selecting a virtual mailbox

4 Place a check in the "Job Storage (e-MPS)" checkbox in the "Job Settings" dialog box and select "Virtual Mail Box (VMB)".
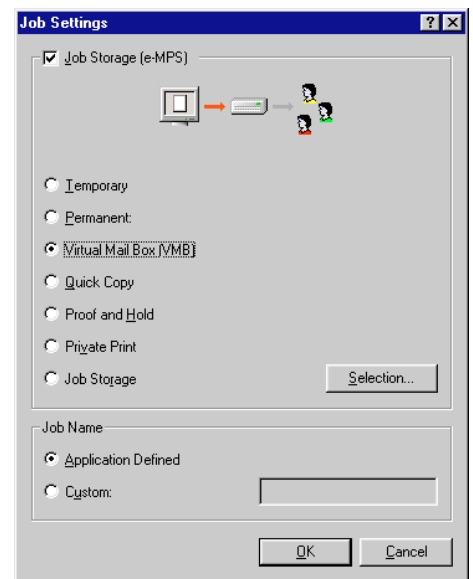
5 Click on the "Selection" button. The "Virtual Mailbox Selection" dialog box will appear.

6 Select a mailbox from "Defined Names" list and click on the "OK" button.
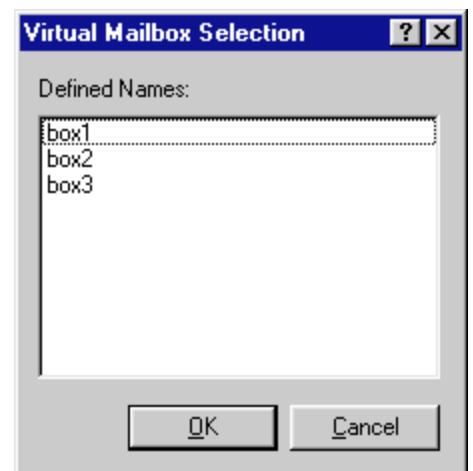
7 Select "Application Defined" or "Custom" under "Job Name". If you selected "Custom", input a user name.
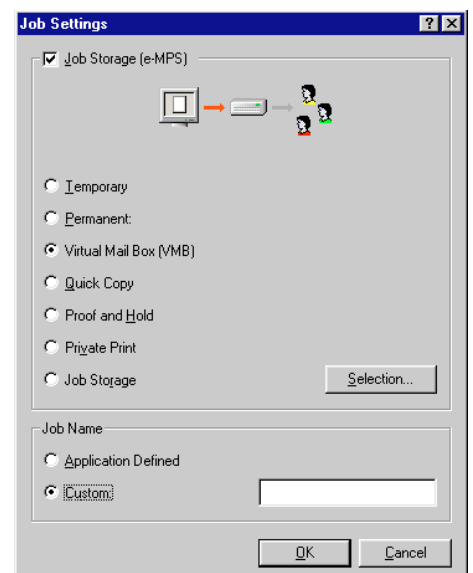
8 Click on the "OK" button. Printing using the virtual mailbox function will now be possible.

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■ **How to perform barcode printing**
* The optional Barcode Reader must be installed in order to perform barcode printing.

1 Click in the "Job Storage (e-MPS)" checkbox in the "Job Settings" dialog box and select either "Permanent" or "Temporary". Once you have selected "Permanent" or "Temporary", the "Options..." button will appear. Click on this button when you want to access the "Job Storage Options" dialog box.
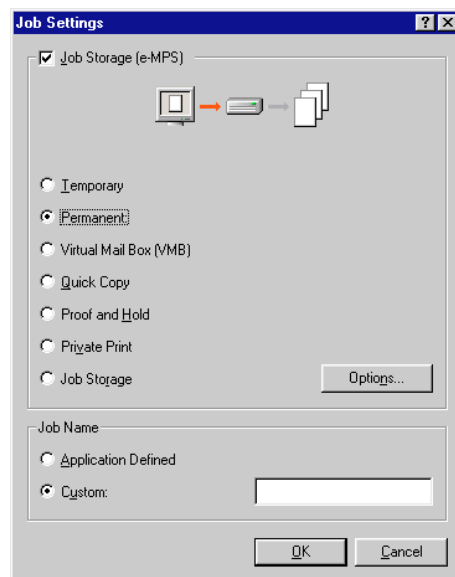
2 Put a check mark in the checkbox for "Barcode" and make detailed settings in regards to printing using barcodes. When you are finished with making all settings, click on the "OK" button.

■ Print on first page only
Prints a barcode on the first page of the document.
■ Print on all pages
Prints a barcode on all pages of the documents.
■ Print Barcode ID
To print a barcode ID, put a check mark in this checkbox.
■ Position
Selects the position to print a barcode.
Printing position: Lower Right, Upper Right, Lower Left and Upper Left
■ Orientation
Selects the orientation to print a barcode.
Printing orientation: Vertical (Ladder) and Horizontal (Picket Fence)
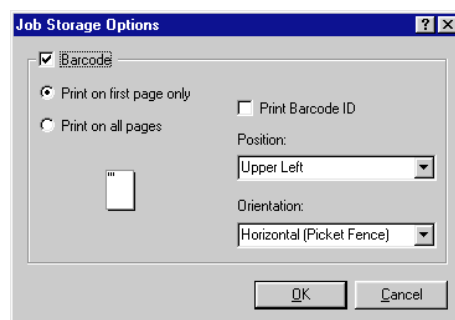
3 Select "Application Defined" or "Custom" under "Job Name". If you selected "Custom", input a user name.
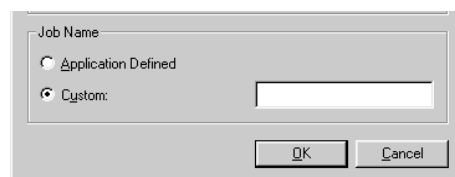
4 Click on the "OK" button. Barcode printing will now be possible.

10-8 Device Settings Tab
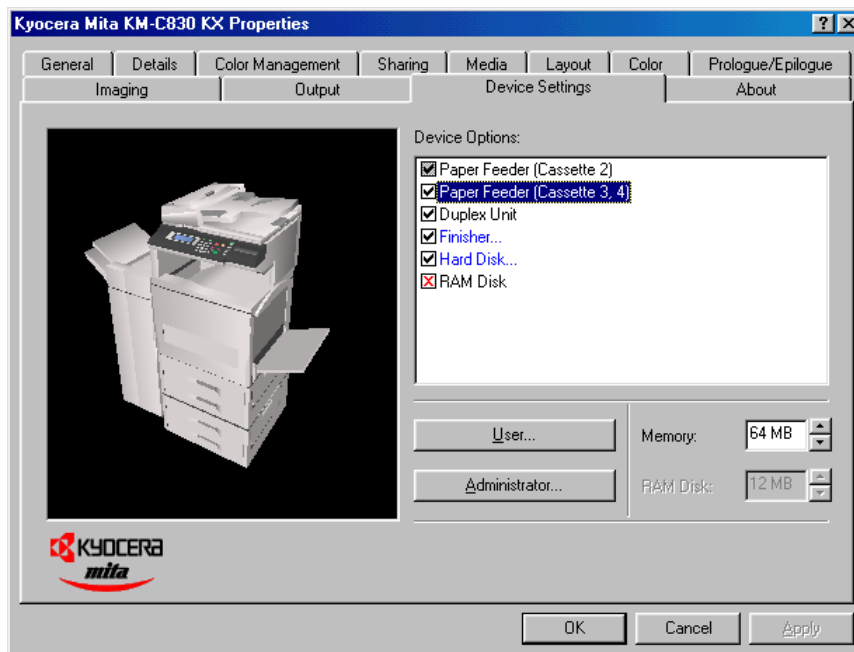
■ **Device Options**

If any optional devices are installed, put a check mark in the checkbox for that device and perform the corresponding settings here. Once you have completed the setting for each option, the functions of that option will be available for use.

● **Paper Feeder (Cassette 3 and 4)**

Perform this setting according to the installed Option Cassette.

● **Duplex Unit**

Perform this setting if your machine is a duplex copier.

● **Finisher**

Perform this setting when the optional Finisher is installed.

In order to register the Punch Unit to be used, put a check mark in the checkbox next to "Finisher" and then double-click on the "Finisher" name to access the "Punch Unit Settings" dialog box.

● **Hard Disk**

Perform this setting when the optional Hard Disk is installed.

In order to register a Virtual Mailbox, put a check mark in the checkbox next to "Hard Disk" and then double-click on the "Hard Disk" name to access the "Hard Disk Settings" dialog box.

● **RAM Disk**

Perform this setting when you want to create a RAM disk. Refer to "5-2 RAM disk" on page 5-1 for more detailed information on creating a RAM disk.

* In order to create a RAM disk, it is necessary to increase the memory capacity of your printer. After increasing memory, perform the setting here according to the "Memory" setting below.

■ **Memory**

Specifies the amount of memory installed in the printer. If you make a mistake in the setting here, it is possible that printing will not be accomplished properly.

■ **RAM Disk**

Specifies the amount of memory to be used for the RAM disk. This setting will only be available when you have selected "RAM Disk" in the
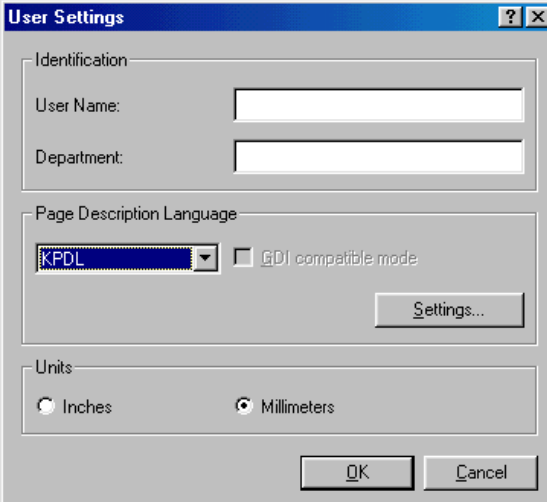
"Device Options" list.

■ **User…**
Click on this button when you want to register a user and/or department name. The "User Settings" dialog box will appear. It is also possible to select the "GDI compatible mode" from that dialog box. Refer to "10-8-1 User Settings" on page 10-18 for more detailed information.

■ **Administrator…**
Click on this button when Copy Management is Turned ON in the printer. The "Administrator Settings" dialog box will appear. Refer to "10-8-2 Administrator Settings" on page 10-18 for more detailed information.

10-8-1 User Settings

■ **Identification**

Register the desired user and/or department name.

■ **Page Description Language**

The emulation modes that can be used with this product will be displayed in the dropdown list. If multiple modes are displayed, it is possible to select the desired mode.
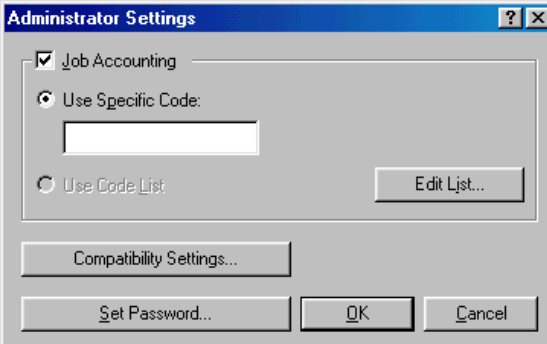
■ **GDI compatible mode**

Select this mode in order to accomplish printing that is more accurate to the data shown on your monitor. Select this mode if text corruption, etc., does happen to occur or if the image is in any other way not printed correctly.

■ **Units**

Select the unit of measurement (inches or millimeters) to be used in such settings as "Custom Paper Sizes" under the "Media" tab and "Gutter Settings" under the "Layout" tab.

10-8-2 Administrator Settings

■ **Job Accounting**

This setting is used when Copy Management is turned ON in the printer. If the setting that you enter in the "Use Specific Code" field and that registered in the printer itself do not match, printing will not be possible.

It is possible to registered more than one management code. (See page 10-19.) Once a management code is registered, the "Print Option" dialog box will open when you try to print in order to allow you to select your management code.

* If Copy Management is turned ON and this setting does not match the setting made in the printer itself, it will not be possible to make test prints. Thus, when you install the printer driver, you will need to check the Copy Management settings and make a test print AFTER the installation procedure is complete.

* When Copy Management is turned ON, even if you send a print command with a DOS "COPY" command, printing will not be possible if you do not use a printer driver.

■ **Set Password**

Click on this button if you want to add a password to this setting. The "Set Password" dialog box will appear.
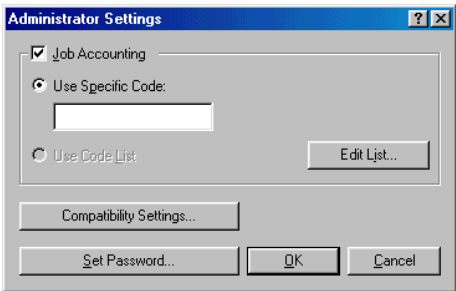
Note

If, for any reason, you lose reference to this password, you will not be able to change the Management Code. Therefore, you should exercise DUE CAUTION in the management of the password that you register here.
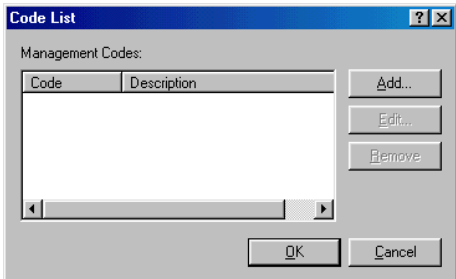
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■ **Registering management codes**

1 Click on the "Edit list" button.
The "Code list" dialog box will appear.

2 Click on the "Add" button.
The "Add Code" dialog box will appear.

3 Type in the desired information in the "Code" and "Description" fields and then click on the "OK" button. The entered management code will be added to the "Code list" dialog box.
* In order to change or delete registered management codes, select the corresponding code and then click on the "Edit" or "remove" button, as appropriate.
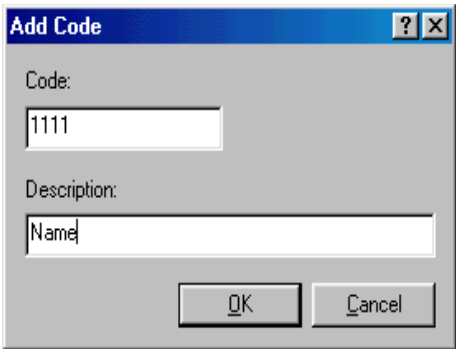
11. Printer Driver for Macintosh

When using unit as a network printer, it is possible to print PostScript files from a Macintosh Computer. This section contains explanations regarding the procedure to install the Macintosh PPD files and select this printer, as well as explanation about the computer environment required to run the installed files.
Attention (Macintosh)
* When using the Printer driver, change the emulation setting KPDL or KPDL (AUTO).

11-1 Required computer environment

OS: Between system 7.61 and 9.1
CPU: Minimum Power PC
RAM: Minimum 24 MB
Free hard disk space: Minimum 10 MB
CD-ROM drive: 1 drive

11-2 Installing the PPD files

This section explains the screen that appears when the CD-ROM supplied with the Printing System is inserted into the CD-ROM drive.
* All the screens to use for explanation are samples, and a screen may be different by a version of utilized software to some extent.
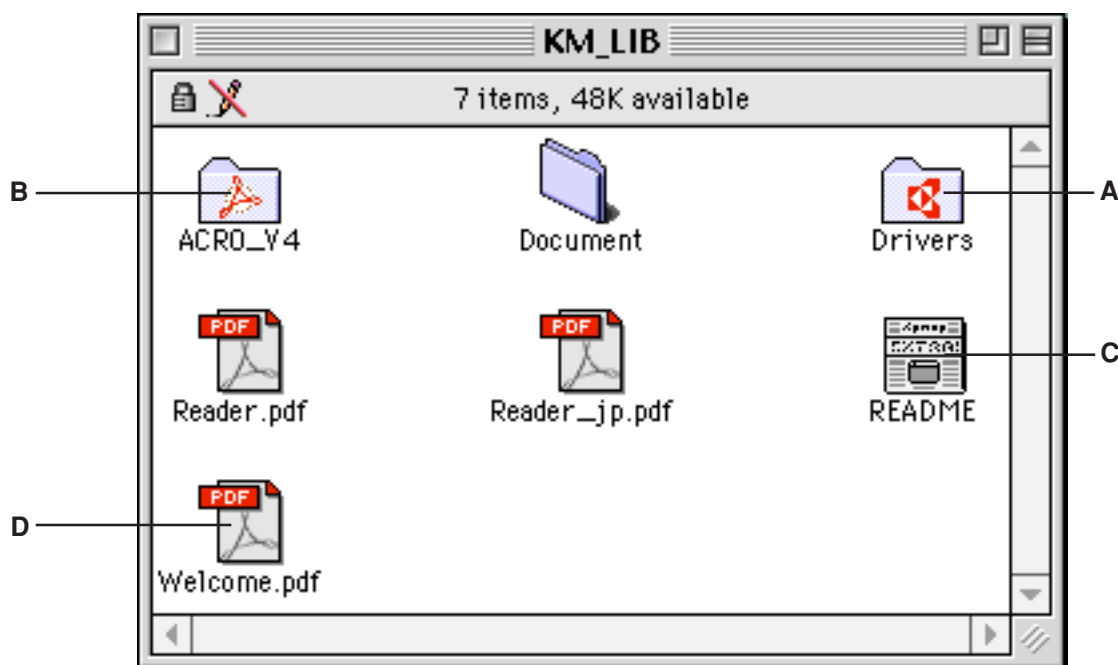
A: [Install Drivers]
The installer by country and by language is supplied in this folder.

B: [ACRO_V4]
The installer of Adobe Acrobat Reader is supplied in folder.

C: [README]
This file contains information which is not explained in the manuals. Please read this file before using the printer driver.

D: [Welcome.pdf]
Kyocera Mita Digital Library screen will appear. Click the available model on screen. The online manual (PDF File) will appear.
Installation and operation procedure for printer driver is explained in online manual.
It is necessary to install the Adobe Acrobat Reader in advance to appear the online manual.

1 Start up your Macintosh computer.
Insert the CD-ROM disk that is included with this product into a CD-ROM drive.
*If there is starting other program, please be finished.
*Screens are things of Mac OS 8.1.

2 Double-Click on the icon for the CD-ROM disk.
The content of the CD-ROM will be displayed.

3 The installer by country and by language is supplied in "Driver" folder.
Double-Click the available driver installer to start. The installation screen will appear.

4 Click on "Continue".

5 A The notice for installation will appear.
Read the notice, and click "Continue".

6 Select the available model, and click on "Install". Installation is started.

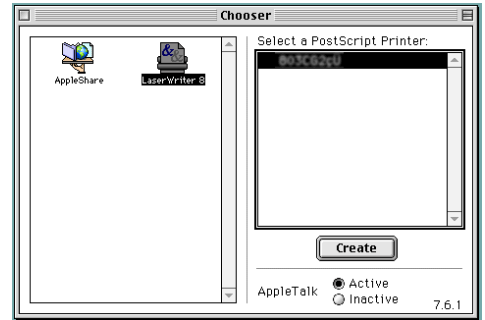**7** Installation was finished. Click on "Quit" to finish the installation completely.
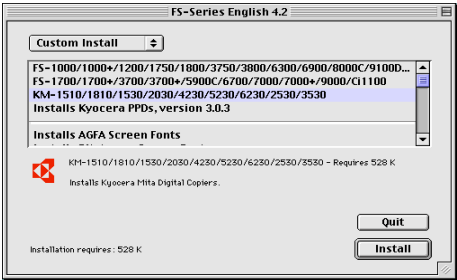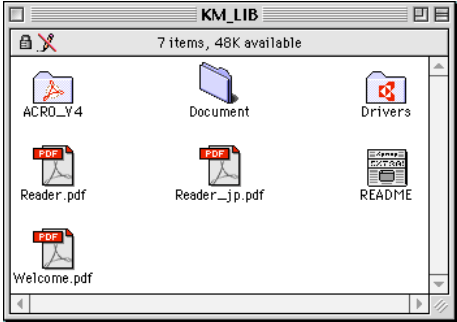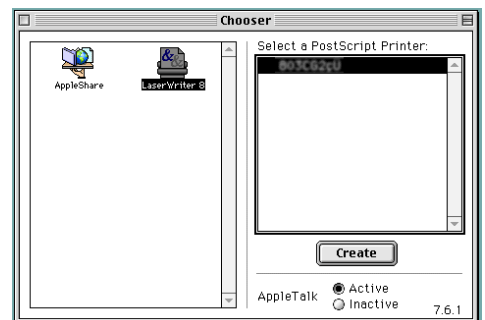
8 ˙Access the Apple Menu at the far left of the Menu of Bar and select Chooser.
The Chooser will appear.
Click once on the LaserWriter 8 icon.

9 Select the name of this printer in the "Select a PostScript Printer" list and then click on the "Create" button.
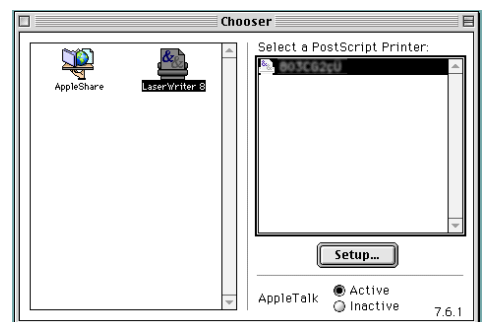* The name of this printer can be verified by printing out a Status Page from the printer's operation panel.

10 A dialog box for selecting the appropriate options will appear.
Select the option that are currently installed in or on your printer.
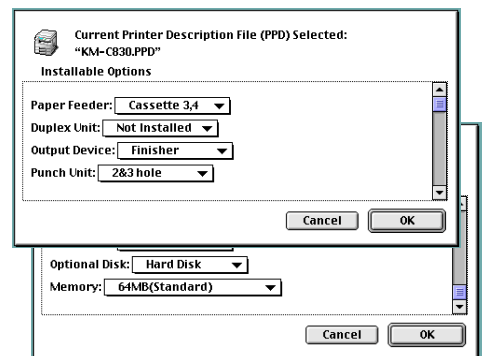
11 Once you're finished with the settings, click on "OK", the chooser will be displayed again.

12 Make sure that the name of this printer is selected (highlighted) in the "Select a PostScript Printer" list and close the Chooser.
Once installation is complete, a "Readme" file will appear on the desktop. Be sure to read this file as it contains important information in regard to this product.

11. Printer Driver for Macintosh

11-3 General Dialog Box

*The actual layout of each dialog box and the available option and settings may differ somewhat depending upon the application and version of LaserWriter that you are using.

- ■ **Printer:**
  Selects the desktop printer to be used for printing your document.

- ■ **Copies:**
  Type the desired number of prints to be made (or the number of files to be saved to disk) directly into this field.
  Select a number between 1 - 999.

- ■ **Pages:**
  To print all of the pages in a file, select the All radio button. To print only certain pages, type in from what page (in the From filed) to what page (in the To field) you want to print.

- ■ **Paper Source:**
  You can select the source of paper feed according to the tray or the desired type of paper. Selection is possible from among the following items. If you select "Auto Select", the printer will automatically select the tray that contains the most appropriate paper for the job. The factory default setting is "Auto Select".

 | Paper type | Plain Paper, Transparency, Label Paper, LetterHead, Bond, Color, Preprinted, Prepunched, Recycled, Rough, Cardstock, Vellum, Envelope, Coated Paper, Duplex, Custom1 - 8 |
  | --- | --- |
  | Tray | Auto Select, Cassette 1, Cassette 2, Cassette 3, Cassette 4, Bypass Tray |

  * It is necessary to perform the settings under "Page Policy" on page 11-6 BEFORE making settings here. If you want to select the source of paper feed according to the type of paper, select "Auto Size Select" there. If you want to select the source of paper feed according to the tray, make sure that "Cassette Base" is selected there. In addition, if you select "Auto Select" here, be sure that the "Page Policy" setting is set to "Auto Size Select" or there is a possibility that printing will be accomplished onto paper that is difference the expected.
  * Cassette 3 and Cassette 4 are available only when the Option Cassette is installed.
  * In duplex copiers, Cassette 1 can not be selected because the Duplex Unit is installed in its place.

11. Printer Driver for Macintosh

11-4 Layout Dialog Box
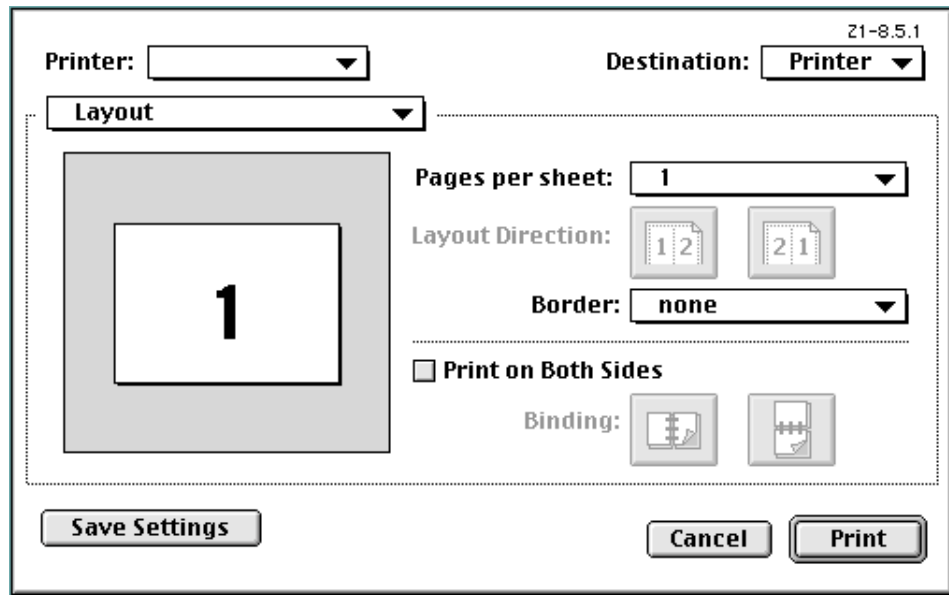
■ **Pages per sheet:**
Sets the number of pages to be printed on each sheet of paper.

■ **Layout Direction:**
A button of either is clicked, and a layout direction is decided. If right button is selected, the pages are laid out from right to left.

■ **Border:**
Sets the type of line to appear around the page.

■ **Print on Both sides**
When this checkbox is selected, the printer will print on both sides of the paper.
[Binding]
Enable selection of the desired the binding orientation. If left button is selected, the binding orientation is along the side of the paper.

* Available only in duplex copiers.
* Paper sizes, types and source of paper feed that are acceptable for duplex printing are as follows:
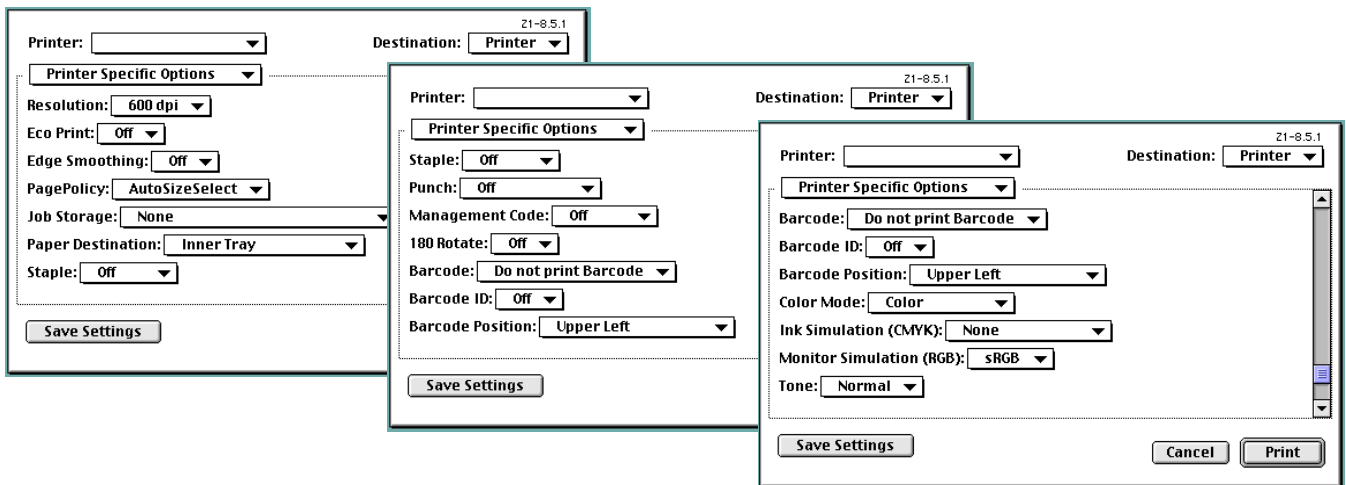
   Paper sizes: Letter (8 1/2" x 11"), Legal (8 1/2" x 14"), Tabloid (11" x 17"), Statement (5 1/2" x 8 1/2"), A3, A4, A5, Folio (210 mm x 330 mm), JIS B4 and JIS B5

   Paper types: Plain Paper, Preprinted, Recycled, Vellum, Rough, LetterHead, Color and Prepunched

   Source of paper feed: Any tray EXCEPT the Bypass Tray

11. Printer Driver for Macintosh

11-5 Printer Specific Options

- ■ **Resolution:**
  The resolution setting can not be changed from "600 dpi".

- ■ **Eco Print:**
  Saves on toner. The factory default setting is "Off".

- ■ **Edge Smoothing:**
  Turning this setting "On" allows the jaggies that appear around the edge of text and graphics to be evened out through the smoothing process.

- ■ **PagePolicy:**
  Perform this setting in conjunction with the settings to be made under "Paper source" on page 11-4.

  [Auto Size Select] .... Select this setting when you want to select the source of paper feed according to the type of paper (you are going to select "Auto Select" under "Paper source").

  [Cassette Base] .... Select this setting when you want to select the source of paper feed according to the tray under "Paper source".

  * If you are going to select "Auto Select" under "Paper source", be sure to select "Auto Size Select" here or there is a possibility that printing will be accomplished onto paper that is difference the expected.

- ■ **Job Storage:**
  The following printing functions can be selected:

  [Sort Only] .... When you want to print out multiple sets of the same copies, the copy sets will be printed and ejected one at a time.

  [Temporary Job] .... Select this function to have the print job data stored temporarily onto the printer's hard disk. This will increase the speed of printing when printing multiple sets of the same copies. If the area allocated for saving data becomes full, the data for the oldest print job will be deleted in order to make sufficient space.

  [Permanent Job] .... Select this function to have the print job data stored permanently onto the printer's hard disk. The document data will be retained on the hard disk even if the area allocated for saving data becomes full.

  [Virtual Mailbox (Administrator)] ... The document data will be saved into the administrator's virtual mailbox.

  [Virtual Mailbox (User 1-10)] .... Allows you to designate the specific virtual mailbox in which the document data will be stored.

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■ **Paper Destination:**
Specifies the location of ejection for print jobs.

[Inner Tray] .... Copies will be ejected onto the Inner tray.

[Side Tray] .... Copies will be ejected into the side tray.

[Finisher (Face-Up)] .... Copies will be ejected into the upper tray of the optional Finisher.

[Finisher (Face-Down)] .... Copies will be ejected into the lower tray of the optional Finisher.

■ **Staple:**
It is possible to staple your copy sets if the optional Finisher is installed.

* The following settings are required before stapling is possible:

(1) Change the "Installable Options" setting in step 10 on page 11-3 to the following.

Select "Finisher" under "Output Device".

(2) Change the "Printer Specific Options" setting on page 11-6 to the following.

Select "Finisher (Face-Down)" under "Paper Destination".

■ **Punch:**
When the optional Finisher is equipped with a Punch Unit, it is possible to have holes punched into the finished copies.

* In order to use the Hole Punch function, it is first necessary to perform the following settings.

(1) Change the "Installable Options" setting in step 10 on page 11-3 to the following.

Select "Finisher" under "Output Device".

(2) Change the "Printer Specific Options" setting on page 11-6 to the following.

Select "Finisher (Face-Down)" or "Finisher (Face-Up)" under "Paper Destination".

■ **Management Code:**
This setting is used when Copy Management is turned ON in the printer. If the Management code that you selected from the dropdown list here and that selected in the printer itself do not match, printing will not be possible.

■ **180 Rotate:**
Selecting this option prints upside down.

■ **Barcode:**
If "Temporary Job" or "Permanent Job" is selected under "Job Storage", you can select here whether or not to have a barcode printed onto the printed pages. This barcode can be read using the optional Barcode Reader in order to print out the corresponding data that is stored in the printer.

[First Page Only] .... The barcode will be only printed onto the first page.

[All Pages] .... The barcode will be printed onto all printed pages.

[Do not print Barcode] .... The barcode will be not be printed at all.

■ **Barcode ID:**
Select "On" if you want to have the barcode ID printed.

■ **Barcode Position:**
Designates the location on the page where the barcode will be printed. It is possible for you to select both the location (from among "Upper Left", "Upper Right", "Lower Left" and "Lower Right") and the orientation of the barcode on the page.

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■ **Color Mode:**
Designates whether printing will be carried out in black and white or in color. Selection is possible between "Color" and "Monochrome".

■ **Ink Simulation (CMYK):**
Designates the type of ink. Selection is possible from among "SWOP Press", "Euroscale Press" and "None". The "Ink Simulation" setting is only valid when "KPDL" or "KPDL (Auto)" is selected as the emulation protocol.

■ **Monitor Simulation (RGB):**
Printing will be accomplished in colors relatively close to the colors that are shown on the computer monitor. Selection is possible from among "sRGB" and "None".

■ **Tone:**
Designates the tone adjustment process. Selection is possible between "Normal" and "Fine".

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11-6 Page Setup dialog Dialog Box

Settings for paper size, page layout, magnification ratio and print direction (orientation) are performed in the **Page Setup** dialog box. To display the **Page Setup** dialog box, select **Page Setup…** in the **File** menu of the corresponding application.

* The actual layout of each dialog box and the available options and settings may differ somewhat depending upon the application and the version of **LaserWriter** that you are using.

* For the user using **Mac OS 7.6.1**, we strongly recommend that you update the **LaserWriter8.3.2** to **Laser Writer 8.5.1**.
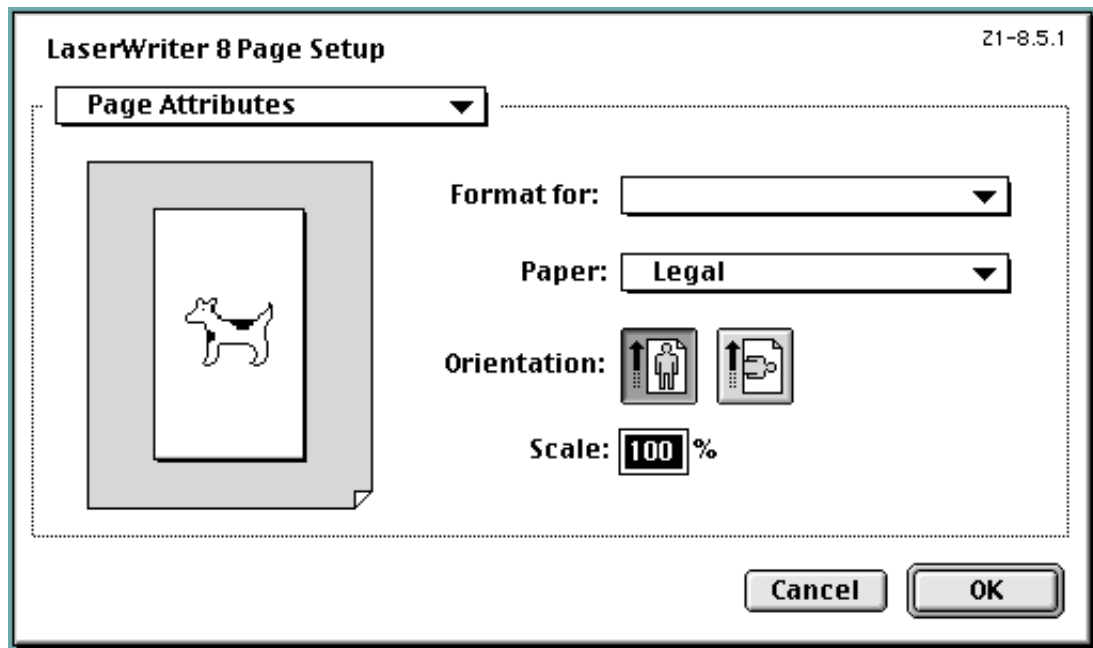
■ **Format for:**
Use this pop-up menu to select the Printer that you want to use.

■ **Paper:**
Select in this pop-up list the desired paper size. Choose from among Letter, Legal, Tabloid, Folio, Statement, Executive, A3, A4, Custom, B4(JIS), A5, A6, B5(JIS), B5(ISO), B6(JIS), 12" x 18" (305 x 457 mm) and Envelopes (Monarch, #6, #9, #10, DL, C5, C4)
* ALWAYS use the multi-bypass to feed the following sizes:A6, Folio, Statement, Executive, 12" x 18" (305 x 457 mm), Envelopes (Monarch, #6, #9, #10, DL, C5, C4)

■ **Orientation:**
Enable selection of the desired print direction.

■ **Scale:**
Type the desired magnification ratio directly into this field. Select a ratio between 25% - 400%.

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11-7 PostScript Dialog Box
The actual layout of each dialog box and the available options and settings may differ somewhat depending upon the application and the version of **LaserWriter** that you are using.
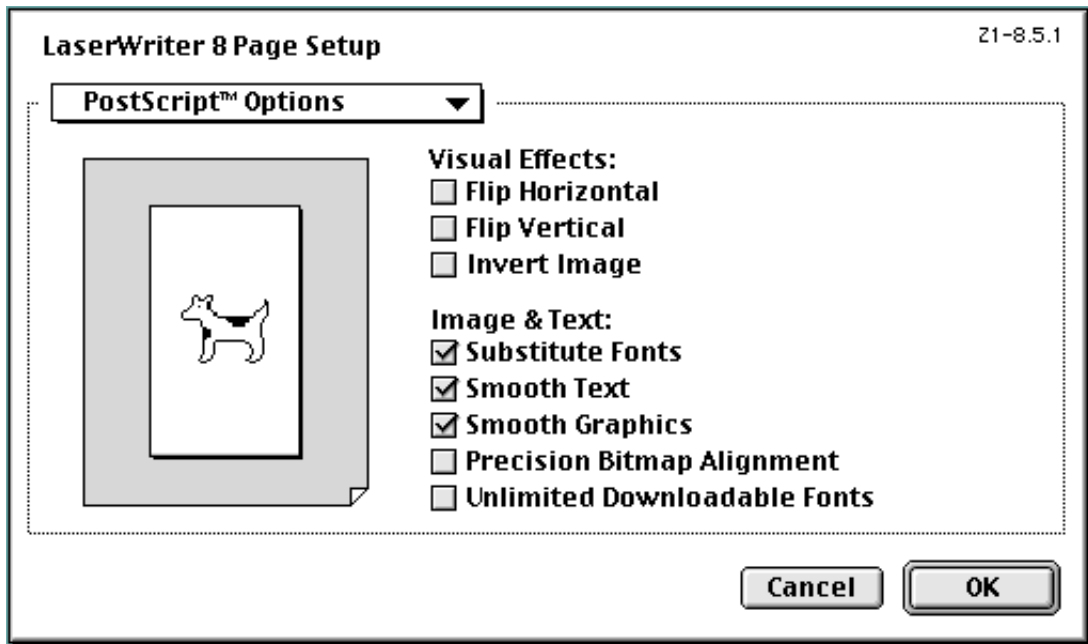
■ **Visual Effects:**
Visual effects such as horizontal and vertical flip and image inverting can be selected here. Place a check in the check box next to the desired visual effects to select that effect.

■ **Image & Text:**
Place a check in the check box next to the desired printing options to select that option.

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11-8 Custom paper sizes Dialog Box

When a paper sizes is selected in "Custom paper sizes" Dialog Box , the paper size can be set as desired.
* The actual layout of each dialog box and the available options and settings may differ somewhat depending upon the application and the version of LaserWriter that you are using.
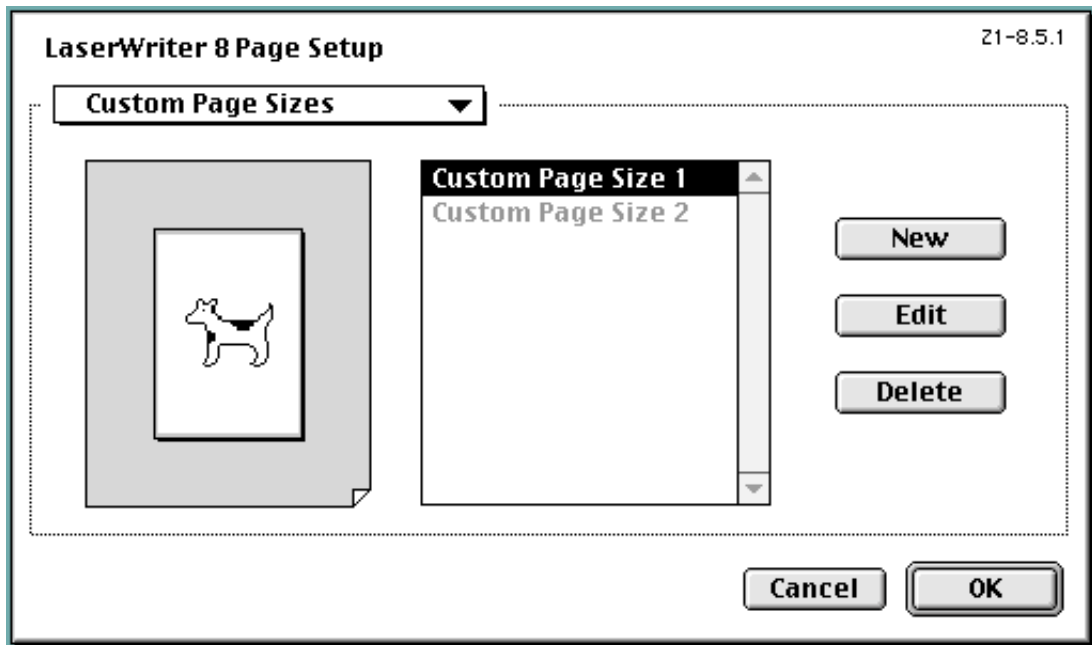
■ **New button**
To create a new custom page size, click this button.

■ **Edit button**
To edit the selected custom page size, click this button.

■ **Delete button**
To delete the selected custom page size, click this button.